

الأبحاث العلمية لقسم الوراثة

List of Publication: Prof. Dr.Kasem Zaki Ahmed

Papers Published in Refereed Journals: (أبحاث منشورة في دوريات محكمة)

1. **F.A.H. El-Soukkary; M. M. M. Doweidar, H. Ashour and K. Z. Ahmed; (2005) Somaclonal variation in bread wheat (*Triticum aestivum* L.). III. Technological performance of somaclones and their original cultivars. *Egyptian. J. of Appl. Sci.*, 20:229-244.**
2. **G. A. R. El-Sherbeny, K. Z. Ahmed, R. A. Ragab, T. Bashandy (2005) Response of Egyptian bread wheat to in vitro techniques II- Isozyme Studies in Callus Cultures and Regenerated plants. *Assiut J. Agric. Sci.*, 36: 91-105.**
3. **G. A. R. El-Sherbeny, K. Z. Ahmed, R. A. Ragab, T. Bashandy (2005) Response of Egyptian bread wheat to in vitro techniques I- Immature Embryos Culture and Plant Regeneration. *Assiut J. Agric. Sci.*, 36: 73-89.**
4. **M. A-H. Mahmoud, K. Z. Ahmed, H. Z. Allam and A. M. M. Hussen (2005) Studies on Agrobacterium-mediated transient transformation in barley (*Hordeum vulgare* L). *Minia J. of Agric. Res. & Develop.*, 25: 261-280.**
5. **K. Z. Ahmed and A. A. Abdelkareem (2005) Somaclonal variation in bread wheat (*Triticum aestivum* L.). II. Field performance of somaclones. *Cereal Res. Commun.*, 33: 485-492.**
6. **H. Z. Allam and Kasem Z. Ahmed (2005) Gene banks and case study of Egypt. *Egypt. J. Plant Breed.*, 9: 91- 110.**
7. **A. A. Abdelkareem and K. Z. Ahmed (2003) Somaclonal variation in bread wheat (*Triticum aestivum* L.). 2. Comparative field performance of somaclones and their original cultivars. *Egypt. J. Plant Breed.*, 7: 457-469.**
8. **Sayed F. Abd El-Sabour; Kasem Z. Ahmed; H. Z. Allam; A. T. Hassan (2002) Genetic control of rate of plant regeneration from immature inflorescences-derived calli in Egyptian durum wheat. *Minia J. of Agric. Res. & Develop.*, 22: 535-552.**
9. **K. Z. Ahmed (2002) Hairy root transformation studies on tobacco and banana plants using different Agrobacterium rhizogenes strains. *Minia J. of Agric. Res. & Develop.*, 22: 2087-2087.**

10. E. A. Hassan, K. Z. Ahmed, H. M. Hassan and A. T. Abed El-Rahem (2002) **Effects of genotype and phytohormone on in vitro culture in genus Brassica**. *Minia J. of Agric. Res. & Develop.*, 22: : 343-357.
11. **A M Mousa**, K. Z. Ahmed, **H Z Allam**, **R. A. Ragab** and **M S A Ali** (2002) **Combining ability of anther culture for hexaploid wheat (*Triticum aestivum L.*)**. *Minia J. of Agric. Res. & Develop.*, 22: 359-365.
12. **Sayed F. Abd El-Sabour**; Kasem Z. Ahmed; **H. Z. Allam**; **A. T. Hassan** (2001) **Genetic control of rate of callus induction from immature inflorescences and embryos in Egyptian macaroni wheat**. *Minia J. of Agric. Res. & Develop.*, 21: 537-556.
13. Kasem Z. Ahmed, **H. Z. Allam & F. Sagi** (2000) **Cereal genetic engineering: prospects and limitations**. *Egyptian J. Genetics and Cytology*, 29 (1): 103-126.
14. Kasem Z. Ahmed and **H Z Allam** (1999) **Wheat anther culture technology**. *Egypt. J. Plant Breed.* 3: 327 – 346.
15. Kasem Z. Ahmed, **H Z Allam**, **A M Mousa** and **M S A Ali** (1999). **Spontaneous versus colchicine-treated dihaploid plants in wheat (*Triticum aestivum L.*) anther culture**. *Acta Agronomica Hung*, 47 (2): 137-146.
16. Kasem Z. Ahmed (1998) **A protocol for embryo rescue and production of primary Egyptian triticale (*x triticosecale wittmack*)**. *Egyptian. J. Applied Science*, 13 (12): 1-18.
17. Kasem Z. Ahmed, **S. Omirulleh**, **F. Sagi & D. Dudits** (1997) **Factors affecting transient expression of vector constructs in wheat protoplasts**. *Acta Biologica Hung.*, 48 (2): 209-220.
18. Kasem Z. Ahmed, **A. Mesterhazy**, **T. Bartok & F. Sagi** (1996). **In vitro techniques for selecting wheat (*Triticum aestivum L.*) for Fusarium-resistance. II. Culture filtrate technique and inheritance of Fusarium-resistance in the somaclones**. *Euphytica*, 91: 341-349.
19. Kasem Z. Ahmed & **F. Sagi** (1994-95). **Protoplast isolation, culture and plant regeneration of wheat and other cereal crops: review and updating**. *Acta Agronomica Hung.*, 43: 371-384.
20. Kasem Z. Ahmed & **F. Sagi** (1993). **Use of somaclonal variation and in vitro selection for induction of plant disease-resistance: prospects and limitations**. *Acta Phytopathol. Entomol. Hung.*, 28: 143-159.

21. Kasem Z. Ahmed & F. Sagi (1993). **High efficiency plant regeneration from an embryogenic cell suspension culture of winter wheat (*Triticum aestivum* L.).** *Acta Biologica Hung.*, 44: 421-432.
22. Kasem Z. Ahmed & F. Sagi (1993). **Culture of and fertile plant regeneration from regenerable embryogenic suspension cell-derived protoplasts of wheat (*Triticum aestivum* L.).** *Plant Cell Reports*, 12: 175-179.
23. Kasem Z. Ahmed, T. Bartok & F. Sagi (1992). **A modified method for rapid callus induction by utilization of endosperm metabolites in mature and immature seeds of bread wheat (*Triticum aestivum* L.) and durum wheat (*Triticum durum* Desf.).** *Cereal Res. Commun.*, 20: 81-86.
24. Kasem Z. Ahmed, A. Mesterhazy & F. Sagi (1991). **In vitro techniques for selecting wheat (*Triticum aestivum* L.) for Fusarium-resistance I. Double-layer culture technique.** *Euphytica*, 57: 251-257.
25. Sagi Ferenc & Kasem Z. Ahmed (1991). **Beszamolo a "Genetikai manipulacio a novynemesitsben" c. EUCARPIA szimpoziumrol (General report about EUCARPIA Symposium, "Genetic Manipulation in Plant Breeding", Reus/Salou, Spain, May 26-30, 1991.).** *Biotech Info*, VIII. /9: 3-13. (In Hungarian).

Manuscripts in Preparation: (أبحاث فى طور الإعداد)

- K. Z. Ahmed, G. A. R. El-Sherbeny, R. A. Ragab, T. Bashandy (2010) **Response of Egyptian Bread Wheat to In Vitro Techniques. IV- Mature embryos culture and Plant regeneration**

Papers Published in Conference Proceedings: (أبحاث منشورة فى كتب أعمال المؤتمرات)

1. Kasem Z. Ahmed (2010) **Plant Biotechnology Applications and Food Security in Africa The 2nd International Conference on Biotechnology, Oran, Algeria, April 26-29th, 2010, pp: 29-30.**
2. Kasem Z. Ahmed; Mohamed K. A. Aly; Shadia K. Ahmed, Hossam M. Kamel (2010) **In vitro isolation, culture and plant regeneration from mature embryos of Egyptian Cumin (*Cuminum cyminum* L.).** *Minia 2nd Conf. Agric. & Environ. Sci.*, Minia, Egypt, March 22-25, 2010, pp. 447-456.
3. Kasem Z. Ahmed (2009) **GM Crops Biotechnology and Case Study of the Africa and Arab World. The 6th International Plant Breeding Conference, Ismailia, Egypt, May 3-5, 2009, pp: I- XI.**
4. Kasem Z. Ahmed (2008) **Media coverage of scientific research in the Arab world, a case study - Plant biotechnology and genetic engineering-**

genetically modified plants "GM". The 5th Congress of Scientific Research, Outlook in the Arab World, October 26-30, 2008, Fez, Morocco.
http://www.astf.net/SRO/sro5/for_web.swf .

5. **R. A. Ragab, A. T. Abdel-Rahem, Kasem Z. Ahmed, Omar, F. Dakhly, Samera A. Mohamed (2007) Evaluation of R tomato somaclone plants selected under poly ethylene glycol (PEG) treatments. In: Proceeding of The 8th African Crop Science Society Conference, 27-31 October 2007, El-Minia, Egypt, pp: 2017- 2026.**
6. **A. T. Abdel-Rahem, R. A. Ragab, Kasem Z. Ahmed, Omar, F. Dakhly, Samera A. Mohamed (2007) In vitro selection for tomato plants for drought tolerance via callus culture under polyethylene glycol (PEG) and mannitol treatments. In: Proceeding of The 8th African Crop Science Society Conference, 27-31 October 2007, El-Minia, Egypt, pp: 2027- 2032**
7. **Samy A. Afiah; Kasem Z. Ahmed & Khaled A. Soliman (2007) Somaclonal variation in bread wheat (Triticum aestivum L.) 4-RAPD, Finger printing of elite genotypes under Siwa Oasis conditions. In: Proceeding of The 8th African Crop Science Society Conference, 27-31 October 2007, El-Minia, Egypt, pp: 2039-2046.**
4. **Kasem Z. Ahmed, S. Remy, L. Sági, R. Swennen (2006) Germination of Musa balbisiana seeds and embryos. In: Proceeding of The XVII International ACORBAT Meeting, 15 to 20 October 2006, Joinville, Santa Catarina state, Brazil, pp: 510-512.**
5. **K. Z. Ahmed, G. A. R. El-Sherbeny, R. A. Ragab, T. Bashandy (2005) Response of Egyptian Bread Wheat to In Vitro Techniques III- Immature inflorescences culture and Plant regeneration. In: Proceeding of The 7th Conference of the African Crop Science Society, 5 to 9 December 2005, Entebbe, Uganda (In press)**
6. **A. T. Abdel-Rahem, K. Z. Ahmed; M. M. Zaki and A. O. Rayan (2005) Fingerprinting of some apple (Malus domestica Borkh.) cultivars cultivated in Egypt based on RAPD analysis. In: Proceeding of The 2nd Syrian-Egyptian Conference, El-Bath University, Heams, Syria, April 25-28, 2005(In press).**
7. **R. A. Ragab, K. Z. Ahmed, G. A. R. El-Sherbeny and T. Bashandy (2005) Response of Egyptian bread wheat to in vitro techniques. I- Immature embryos culture and plant regeneration. In: Proceeding of The 2nd Syrian-Egyptian Conference, El-Bath University, Heams, Syria, April 25-28, 2005, (In press).**
8. **K. Z. Ahmed, M. A-H. Mahmoud, H. Z. Allam and Masya A. M. Hefny (2004) Towards genetic improvement of Egyptian cucumber (Cucumis sativus L.)**

- via in vitro techniques. I. Optimization of a plant regeneration system. In: Proceeding of The 4th Scientific Conference of Agricultural Sciences, Fac. Agric., Assiut Univ., Assiut, Egypt, December 7-9, 2004, pp: 867-884.*
9. **K. Z. Ahmed, G. A. R. El-Sherbeny, R. A. Ragab, T. Bashandy (2004) Optimization of conditions for regeneration, DNA delivery and transient GUS expression in mature embryos of elite Egyptian bread wheat cultivars using Agrobacterium tumefaciens-mediated transformation system. Proceedings of The International Conference of Genetic Engineering & its Applications, 8-11 April 2004, Sharm El-Sheikh, Egypt, pp: 87-101.**
 10. **M. A-H. Mahmoud, K. Z. Ahmed, H. Z. Allam and Masya A. M. Hefny (2004) Optimization of Agrobacterium-mediated transformation in cucumber (Cucumis sativus L). Proceedings of The International Conference of Genetic Engineering & its Applications, 8-11 April 2004, Sharm El-Sheikh, Egypt, pp: 73-86.**
 11. **Kasem Z. Ahmed and H Z Allam (2003) Response of intergeneric hybrids of Egyptian wheat with rye to in vitro techniques. African Crop Science Conference Proceedings, Vol. 6: 98-102. (The 6th Conference of the African Crop Science Society, 12 to 17 October 2003, Nairobi, Kenya).**
 12. **Kasem Z. Ahmed (2002) Genetic transformation studies on Egyptian wheat. Proceedings of the 12th Australasian Plant Breeding Conference, 15th-20th September 2002, Perth, W. Australia, pp: 51-56.**
 13. **Kasem Z. Ahmed (2002) Gene transfer to Egyptian wheat. Bull. Fac. Agric. Cairo Univ., Special Edition 2002, Vol. I; Proceedings of The 2nd Congress on Recent Technologies in Agriculture, 28th-30th October 2002, Cairo University, Giza, Egypt ; Vol I: 1-10.**
 14. **Kasem Z. Ahmed, S. Remy, R. Swennen, L. Sági (2001) Agrobacterium-mediated co-transformation of banana (Musa spp.). The International Atomic Energy Agency Coordination Meeting, September 24-28, 2001, Leuven, Belgium. (In press).**
 15. **S. F. Abd El-Sabour* ; K. Z. Ahmed; H. Z. Allam; A. T. Hassan (2000) Plant regeneration from isolated immature inflorescences culture of diallele cross in tetraploid wheat. Proceedings of The 2nd Arab Cong. Genetics & Biotechnology, El-Minia, Egypt, 23-26 October 2000, pp: 115-129.**
 16. **S. F. Abd El-Sabour; K. Z. Ahmed; H. Z. Allam; A. T. Hassan (2000) Callus induction from immature inflorescences and embryos in Egyptian macaroni wheat. Proceedings of The 2nd Arab Cong. Genetics & Biotechnology, El-Minia, Egypt, 23-26 October 2000, pp: 99-113.**

17. Kasem Z. Ahmed **and H Z Allam (1999) Wheat anther culture technology.** The 1st Plant Breeding Conf., Giza, Egypt, December 4,1999. 3: 327 – 346.
18. Kasem Z. Ahmed, **H Z Allam, A M Mousa and M S A Ali (1999) Results with anther culture in elite Egyptian bread wheat (Triticum aestivum L.) cultivars. In: Proceedings of The 1st International Conference, In Egypt, On Plant Tissue Culture and its Application, Cairo, Egypt, 12-14 September 1999. pp: 39-47.**
19. Kasem Z. Ahmed (1998) **A protocol for in vitro production of primary Egyptian triticale (x Triticosecale wittmack). In: Proceedings of the 3rd Arab Conference "Modern Biotechnology and Areas of Application in The Arab World" Cairo, Egypt, 14-17 December 1998. pp: 1-11.**
20. Kasem Z. Ahmed **and H Z Allam (1998) Anther culture and its application in wheat improvement: prospects and limitations. In: Proceedings of The 8th Conference of Agronomy Sciences, Ismailia, Egypt, 28-29 November 1998, pp: xxxix-iv.**
21. Kasem Z. Ahmed, **H Z Allam, A M Mousa and M S A Ali (1998) Diplodization of anther culture-derived haploid plants in some Egyptian bread wheat (Triticum aestivum L.) cultivars. In: Proceedings of The 26th Annual Meeting of the Egyptian Society of Genetics, Sept 29-30, 1998, Alexandria, Egypt, Vol. 1, pp. 72-85.**
22. Kasem Z. Ahmed, **H Z Allam, A M Mousa and M S A Ali (1998) Effects of genotype and medium on the production of callus and plant regeneration from anthers of Egyptian wheat (Triticum aestivum L.) cultivars. In: Proceedings of The 26th Annual Meeting of the Egyptian Society of Genetics, Sept 29-30, 1998, Alexandria, Egypt, Vol. 1, pp.125-138.**
23. **Abdeltawab M Ata, M A-H Mahmoud and K Z Ahmed (1998) Somaclonal variation in bread wheat (Triticum aestivum L.). I. Meiotic analysis of advanced generations. In: Proceedings of the 26th Annual Meeting of the Egyptian Society of Genetics, Sept 29-30, 1998, Alexandria, Egypt, Vol. 1, pp.157-169.**
24. Kasem Z. Ahmed, **H. Z. Allam & M. S. A. Ali (1997) Cytological studies on callus tissue and regenerated plants from wheat anther culture. In: Proceeding of The First Scientific Conference of Agricultural Sciences, Fac. Agric., Assiut Univ., Assiut, Egypt, December 13-14, 1997, Vol. 1: 361-375.**
25. Kasem Z. Ahmed (1996) **Biotechnology methods in wheat breeding. In: Proceedings of The 7th Conference of Agronomy Sciences, Mansoura, Egypt, 9-11 Sept. 1996, pp. 693-703.**

26. **Mohammed S. A. Ali, K. Z. Ahmed, A. M. Moussa and H. Z. Allam (1996) In vitro production of haploid plants via anther culture of Egyptian spring wheat (*Triticum aestivum* L.) cultivars. In: Proceedings of The 7th Conference of Agronomy Sciences, Mansoura, Egypt, 9-11 Sept. 1996, pp. 11-19.**
27. **S. Omirulleh, A. Ismagulova, V. Samoilov, Kasem Z Ahmed, F. Sagi, M. Karabaev and D. Dudits (1994) Gene expression in transgenic cereals. Plant Genome II Conference. Town & Country Conference Center, San Diego, CA, USA, January 1994.**
28. **F. Sagi, H. Sagi, K. Z. Ahmed, T. Bartok, A. Tomcsanyi, and A. Palagyi (1991). Production of somaclones, haploids, in vitro selected resistant lines and regenerable cell cultures for cereal breeding. European Communities - Hungary Joint Workshop on Plant Biotechnology, Godollo, Hungary, 11-15 March 1991, pp. 96-97.**
29. **F. Sagi, K. Z. Ahmed, H. Sagi, T. Bartok, I. Mozsik und A. Mesterhazy (1991). [Utilization of some classic-biotechnological methods in the wheat breeding: production of somaclonal variants and in vitro selection for Fusarium tolerance] Anwendung einiger klassisch-biotechnologischen Methoden in der Weizenzüchtung: Produktion von Somaklonen und in vitro Selektion auf Fusarium Toleranz. Bericht über die 42. Arbeitstagung, Vereinigung sterreichischer Pflanzenzüchter, Gumpenstein, Austria, 26-28 November 1991, pp. 83-85. (In German).**
30. **F. Sagi, T. Bartok, & K. Z. Ahmed (1990). Wheat callus induction within three days via utilization of endosperm metabolites. In: Proceedings of International Symposium of Wheat Breeding-Prospect and Future Approaches, Albena, Bulgaria, June 4-8 1990, pp. 302-303.**

Invited Review Chapters: (فصول من كتب بناء على دعوة)

1. **Kasem Z. Ahmed, A. Mesterhazy & F. Sagi (1996) In Vitro production of Fusarium-resistant wheat plants. In: Y. P. S. Bajaj (Ed.), Biotechnology in Agriculture and Forestry, Vol. 36; Somaclonal variation in crop improvement II. Springer-Verlag, Berlin, Heidelberg. 3-19.**

MEETING CONTRIBUTIONS

(المشاركة فى المؤتمرات و الندوات العلمية)

(المشارك* Participant)

1. Kasem Z. Ahmed* (2010) **Plant Biotechnology Applications and Food Security in Africa The 2nd International Conference on Biotechnology, Oran, Algeria, April 26-29th, 2010, pp: 29-30.**
2. Kasem Z. Ahmed*; Mohamed K. A. Aly; Shadia K. Ahmed, Hossam M. Kamel (2010) **In vitro isolation, culture and plant regeneration from mature embryos of Egyptian Cumin (Cuminum cyminum L.). Minia 2nd Conf. Agric. & Environ. Sci., Minia, Egypt, March 22-25, 2010, pp. 447-456.**
3. Kasem Z. Ahmed*; Mohamed K. A. Aly; Shadia K. Ahmed, Hossam M. Kamel (2009) **Establishment of embryogenic cell suspension culture and plant regeneration of Egyptian cumin (Cuminum cyminum L.). The 1st Euro Med Symposium, Plant Natural Products from Biodiversity to Bioindustry, National Research Centre, Dokki, Cairo, Egypt, 8 – 10 December 2009.**
4. Kasem Z. Ahmed*(2009) **The 9th African Crop Science Society Conference, Cape Town, South Africa, 28th Sept. – 1st Oct. 2009.**
5. Kasem Z. Ahmed*(2009) **The First Strategic Summit of Plant Science Societies, Honolulu, Hawaii, USA, July 15–16, 2009, organized by the American Society of Plant Biologists (ASPB).**
6. Kasem Z. Ahmed*(2009) **The FAO e-mail conference " "Learning from the past: Successes and failures with agricultural biotechnologies in developing countries over the last 20 years" ". Conference 16 of the FAO. Biotechnology Forum, 8 June to 8 July 2009. (Ahmed 95: GM crops in developing countries) <http://www.fao.org/biotech/logs/C16/summary.htm>.**
7. Kasem Z. Ahmed* (2009) **GM Crops Biotechnology and Case Study of the Africa and Arab World. The 6th International Plant Breeding Conference, Ismailia, Egypt, May 3-5, 2009, pp: I- XI.**
8. Kasem Z. Ahmed* (2009) **The Current Status of GM Crops in the Arab World. 1st International Conference on Biotechnology, King Fahad Cultural Center, Riyadh, Saudi Arabia. 16th to 18th February 2009 (21-23 Safar 1430).**
9. Kasem Z. Ahmed* (2008) **Media coverage of scientific research in the Arab world, a case study - Plant biotechnology and genetic engineering- genetically modified plants "GM". 5th Congress of Scientific Research, Outlook in the Arab World, October 26-30, 2008, Fez, Morocco.**
10. Kasem Z. Ahmed* (2008) **African Crop Science Society and its impact on the agricultural research in Africa. African-Japanese Plenary Workshop on Sustainable Rice Production, 23^d – 25th Aug., 2008, Bibliotheca Alexandrina, Egypt.**

11. **R. A. Ragab***, **A. T. Abdel-Rahem**, **Kasem Z. Ahmed**, **Omar**, **F. Dakhly**, **Samera A. Mohamed** (2007) *Evaluation of R tomato somaclone plants selected under poly ethylene glycol (PEG) treatments. In: Proceeding of The 8th African Crop Science Society Conference, 27-31 October 2007, El-Minia, Egypt, pp: 2017- 2026.*
12. **A. T. Abdel-Rahem***, **R. A. Ragab**, **Kasem Z. Ahmed**, **Omar**, **F. Dakhly**, **Samera A. Mohamed** (2007) *In vitro selection for tomato plants for drought tolerance via callus culture under polyethylene glycol (PEG) and mannitol treatments. In: Proceeding of The 8th African Crop Science Society Conference, 27-31 October 2007, El-Minia, Egypt, pp: 2027- 2032.*
13. **Samy A. Afiah**; **Kasem Z. Ahmed*** & **Khaled A. Soliman** (2007) *Somaclonal variation in bread wheat (Triticum aestivum L.) 4-RAPD, Finger printing of elite genotypes under Siwa Oasis conditions. In: Proceeding of The 8th African Crop Science Society Conference, 27-31 October 2007, El-Minia, Egypt, pp: 2039-2046.*
14. **Kasem Z. Ahmed***, **S. Remy**, **L. Sági**, **R. Swennen** (2006) *Germination of Musa balbisiana seeds and embryos. The XVII International ACORBAT Meeting, 15 to 20 October 2006, Joinville, Santa Catarina state, Brazil.*
15. **K. Z. Ahmed***, **H. Z. Allam**, **A. M. Moussa** and **M. S. A. Ali** (2006) *doubled-haploid studies in elite Egyptian bread wheat (Triticum aestivum L.) cultivars. The International Plant Breeding Symposium, 21 to 25 August 2006, Mexico City, Mexico. Abstract # 123.*
16. **K. Z. Ahmed***, **G. A. R. El-Sherbeny**, **R. A. Ragab**, **T. Bashandy** (2005) *Response of Egyptian Bread Wheat to In Vitro Techniques III- Immature inflorescences culture and Plant regeneration. The 7th Conference of the African Crop Science Society, 5 to 9 December 2005, Entebbe, Uganda.*
17. **A. T. Abdel-Rahem***, **K. Z. Ahmed**; **M. M. Zaki** and **A. O. Rayan** (2005) *Fingerprinting of some apple (Malus domestica Borkh.) cultivars cultivated in Egypt based on RAPD analysis. In: Proceeding of The 2nd Syrian-Egyptian Conference, April 25-28, 2005, El-Bath University, Hems, Syria.*
18. **R. A. Ragab***, **K. Z. Ahmed**, **G. A. R. El-Sherbeny** and **T. Bashandy** (2005) *Response of Egyptian bread wheat to in vitro techniques. I- Immature embryos culture and plant regeneration. In: Proceeding of The 2nd Syrian-Egyptian Conference, April 25-28, 2005, El-Bath University, Hems, Syria.*
19. **H. Z. Allam** and **Kasem Z. Ahmed*** (2005) *Gene banks and case study of Egypt. The 4th Plant Breeding Conf. Ismailia, March 5, 2005. Egypt. J. Plant Breed., 9: 91- 110.*

20. Kasem Z. Ahmed* (2005) *The FAO e-mail conference "Public participation in decision-making regarding GMOs in developing countries: How to effectively involve rural people". Conference 12 of the FAO. Biotechnology Forum, 17 January to 13 February 2005. (Ahmed 109) <http://www.fao.org/biotech/logs/C12/summary.htm>.*
21. K. Z. Ahmed*, M. A-H. Mahmoud, H. Z. Allam and Masya A. M. Hefny (2004) *Towards genetic improvement of Egyptian cucumber (Cucumis sativus L.) via in vitro techniques. I. Optimization of a plant regeneration system. In: Abstract Book of The 4th Scientific Conference of Agricultural Sciences, Fac. Agric., Assiut Univ., Assiut, Egypt, December 7-9, 2004, pp: 164-165.*
22. K. Z. Ahmed; F.A.H. El-Soukkary*; H. Ashour and M.M.M. Doweidar (2004) *Somaclonal variation in bread wheat (Triticum aestivum L.). III. Technological performance of somaclones and their original cultivars. International Wheat quality Conference, May 29-31 2004, Beijing, China.*
23. K. Z. Ahmed, S. Remy, L. Sági, R. Swennen* (2004) *In vitro germination of Musa balbisiana embryos. The international Congress on Musa: harnessing research to improve livelihoods, 06-09 July 2004, Penang, Malaysia, (Abstract #: P7, P: 48).*
24. M. A-H. Mahmoud*, K. Z. Ahmed, H. Z. Allam and Masya A. M. Hefny (2004) *Optimization of Agrobacterium-mediated transformation in cucumber (Cucumis sativus L.). The International Conference of Genetic Engineering & its Applications, 8-11 April 2004, Sharm El-Sheikh, Egypt, pp: 73-86.*
25. K. Z. Ahmed*, G. A. R. El-Sherbeny, R. A. Ragab, T. Bashandy (2004) *Optimization of conditions for regeneration, DNA delivery and transient GUS expression in mature embryos of elite Egyptian bread wheat cultivars using Agrobacterium tumefaciens-mediated transformation system. The International Conference of Genetic Engineering & its Applications, 8-11 April 2004, Sharm El-Sheikh, Egypt, pp: 87-101.*
26. K. Z. Ahmed* and H Z Allam (2003) *Response of intergeneric hybrids of Egyptian wheat with rye to in vitro techniques. The 6th Conference of the African Crop Science Society, 12 to 17 October 2003, Nairobi, Kenya. . (Abstract #: 45, P. 48).*
27. A. A. Abdelkareem and K. Z. Ahmed* (2003) *Somaclonal variation in bread wheat (Triticum aestivum L.). 2. Comparative field performance of*

- somaclones and their original cultivars.** *The 3rd Plant Breeding Conf. Giza, April 26, 2003. Egypt. J. Plant Breed., 7: 457-469.*
28. **Kasem Z. Ahmed*** (2002) **Gene transfer to Egyptian wheat. Proceedings of The 2nd Congress on Recent Technologies in Agriculture, 28th–30th October 2002, Cairo University, Giza, Egypt ; Vol I: 1-10.**
29. **Kasem Z. Ahmed*** (2002) **Genetic transformation studies on Egyptian wheat. Proceedings of the 12th Australasian Plant Breeding Conference, 15th-20th September 2002, Perth, W. Australia, pp: 51-56**
30. **K. Z. Ahmed*** (2002) **Hairy root transformation studies on tobacco and banana plants using different Agrobacterium rhizogenes strains. Minia 1st Conf. Agric. & Environ. Sci., Minia, Egypt, March 25-28, 2002 (Abstract: S11.1, P. 50).**
31. **E. A. Hassan***, **K. Z. Ahmed**, **H. M. Hassan** and **A. T. Abed El-Rahem** (2002) **Effects of genotype and phytohormone on in vitro culture in genus Brassica. Minia 1st Conf. Agric. & Environ. Sci., Minia, Egypt, March 25-28, 2002 (Abstract: S11.3, P. 51).**
32. **A M Mousa***, **K. Z. Ahmed**, **H Z Allam**, **R. A. Ragab** and **M S A Ali** (2002) **Combining ability of anther culture for hexaploid wheat (Triticum aestivum L.). Minia 1st Conf. Agric. & Environ. Sci., Minia, Egypt, March 25-28, 2002 (Abstract: S11.13, P. 58).**
33. **K. Z. Ahmed*** (2001) **Studies on plant genetic transformation using wild type of Agrobacterium rhizogenes. Ain Shams University First Conference on Biotechnology, 22nd –24th December 2001, Cairo, Egypt.**
34. **K. Z. Ahmed**, **S. Remy**, **R. Swennen**, **L. Sági*** (2001) **Agrobacterium-mediated co-transformation of banana (Musa spp.). The International Atomic Energy Agency Coordination meeting, September 24-28, 2001, Leuven, Belgium.**
35. **H. Z. Allam & K. Z. Ahmed*** (2000) **Wheat anther and microspore culture: present developments and some future prospectives. The 2nd Arab Cong. Genetics & Biotechnology, El-Minia, Egypt, 23-26 October 2000.**
36. **S. F. Abd El-Sabour***; **K. Z. Ahmed**; **H. Z. Allam**; **A. T. Hassan** (2000) **Callus induction from immature inflorescences and embryos in Egyptian macaroni wheat. The 2nd Arab Cong. Genetics & Biotechnology, El-Minia, Egypt, 23-26 October 2000.**

37. **S. F. Abd El-Sabour***; K. Z. Ahmed; **H. Z. Allam; A. T. Hassan (2000) Plant regeneration from isolated immature inflorescences culture of diallele cross in tetraploid wheat.** The 2nd Arab Cong. Genetics & Biotechnology, El-Minia, Egypt, 23-26 October 2000.
38. **S. F. Abd El-Sabour***; K. Z. Ahmed; **H. Z. Allam; A. T. Hassan (2000) Seed protein, yield and yield components in some Egyptian wheat hybrids.** The 2nd Arab Cong. Genetics & Biotechnology, El-Minia, Egypt, 23-26 October 2000.
39. **H. Z. Allam, K. Z. Ahmed, M. A. Mahmoud, A. M. M. Hussein*** (2000) **Studies on anther culture of Egyptian barley (Hordeum vulgare L.)** The 2nd Arab Cong. Genetics & Biotechnology, El-Minia, Egypt, 23-26 October 2000.
40. **M. M. Hussein, K. Z. Ahmed, S. F. Abd El-Sabour, and A. O. H. Rayan *** (2000) **Development of an anther culture system in apple (malus domestico bork).** The 2nd Arab Cong. Genetics & Biotechnology, El-Minia, Egypt, 23-26 October 2000.
41. **H. Z. Allam, M. A. Mahmoud***, K. Z. Ahmed, **Maysa A. M. Hafny (2000) An approach to genetic transformation of certain Egyptian species of cucurbitaceae.** The 2nd Arab Cong. Genetics & Biotechnology, El-Minia, Egypt, 23-26 October 2000.
42. **H. Z. Allam, K. Z. Ahmed***, **R. A. Ragab, M. S. A. Aly (2000) Wheat androgenesis: Cytogenetical analysis and agronomic performance of Egyptian doubled haploids .** The 2nd Arab Cong. Genetics & Biotechnology, El-Minia, Egypt, 23-26 October 2000.
43. **Kasem Z. Ahmed*** and **H Z Allam (1999) Wheat anther culture technology. The 1st Plant Breeding Cong., Giza, Egypt, 4 December 1999. 3: 327 – 346.**
44. **Kasem Z. Ahmed***, **Said F. Abdel-Sabour, H Z Allam and Ahmed T. Hassan (1999) Genetic variability in callus formation and plant regeneration of Egyptian durum wheat (Triticum durum Desf.).** The 1st International Conference, In Egypt, On Plant Tissue Culture And Its Application, Cairo, Egypt, 12-14 September 1999, **p.461.**
45. **Kasem Z. Ahmed***, **Said F. Abdel-Sabour, H Z Allam and Ahmed T. Hassan (1999) Callus induction and plant regeneration in Egyptian cultivars of durum wheat and their hybrids.** The XVI International Botanical Congress, St. Louis, Missouri, USA, **August 1-7. 1999, Abst No.1638 p. 565.**
46. **Kasem Z. Ahmed*** (1998) **A protocol for in vitro production of primary Egyptian triticale (x Triticosecale wittmack).** The 3rd Arab Conf. "Modern

- Biotechnology and Areas of Application in The Arab World" Cairo, Egypt, 14-17 December 1998, Abstract, p.56.*
47. Kasem Z. Ahmed*, H Z Allam, A M Mousa and M S A Ali (1998) **Diplodization of anther culture-derived haploid plants in some Egyptian bread wheat (*Triticum aestivum* L.) cultivars.** *In: Proceedings of The 26th Annual Meeting of the Egyptian Society of Genetics, Sept 29-30, 1998, Alexandria, Egypt, Vol. 1, pp. 72-85.*
 48. Kasem Z. Ahmed*, H Z Allam, A M Mousa and M S A Ali (1998) **Effects of genotype and medium on the production of callus and plant regeneration from anthers of Egyptian wheat (*Triticum aestivum* L.) cultivars.** *In: Proceedings of The 26th Annual Meeting of the Egyptian Society of Genetics, Sept 29-30, 1998, Alexandria, Egypt, Vol. 1, pp.125-138.*
 49. Abdeltawab M Ata*, M A-H Mahmoud and K Z Ahmed (1998) **Somaclonal variation in bread wheat (*Triticum aestivum* L.). I. Meiotic analysis of advanced generations.** *In: Proceedings of the 26th Annual Meeting of the Egyptian Society of Genetics, Sept 29-30, 1998, Alexandria, Egypt, Vol. 1, pp.157-169.*
 50. Kasem Z. Ahmed*, H. Z. Allam & M. S. A. Ali (1997) **Cytological studies on callus tissue and regenerated plants from wheat culture.** *In: Proceeding of The First Scientific Conference of Agricultural Sciences, Fac. Agric., Assiut Univ., Assiut, Egypt, December 13-14, 1997, Vol. 1: 361-375.*
 51. Kasem Z. Ahmed* and H Z Allam (1998) **Anther culture and its application in wheat improvement: prospects and limitations.** *The 8th Conference of Agronomy Sciences, Ismailia, Egypt, 28-29 November 1998, Abstract, p.7.*
 52. Kasem Z. Ahmed* (1997) **A potential of in vitro breeding for disease resistance and crop improvement: An overview.** *Symposium of Breeding and Production of Crops under Stress Conditions, the Egyptian Society of Plant Breeding, March 3, 1997, Ismailia, Egypt.*
 53. Kasem Z. Ahmed*, M. S. A. Ali, A. M. Moussa & H. Z. Allam (1996) **Anther culture responsiveness of Egyptian wheat (*Triticum aestivum* L.) cultivars.** *The 2nd Asia-Pacific Conference on Plant Cell and Tissue Culture, July 28-August 1, 1996, Beijing, China, Abstract No. III-3, p.47.*
 54. Kasem Z. Ahmed* (1996) **Biotechnology methods in wheat breeding. (Plenary Lecture).** *The 7th Conference of Agronomy Sciences, Mansoura, Egypt, 9-11 Sept., 1996.*
 55. Mohammed S. A. Ali, K. Z. Ahmed*, A. M. Moussa and H. Z. Allam (1996) **In vitro production of haploid plants via anther culture of Egyptian spring**

- wheat (*Triticum aestivum* L.) cultivars.** *The 7th Conference of Agronomy Sciences, Mansoura, Egypt, 9-11 Sept., 1996.*
56. Kasem Z. Ahmed*, **S. Omirulleh, F. Sagi & D. Dudits (1995) Factors affecting foreign gene expression in wheat protoplasts.** *The 25th Meeting of the Egyptian Society of Genetics, Giza, Egypt, 28-29 June, 1995.*
57. **S. Omirulleh*, A. Ismagulova, V. Samoilov, Kasem Z Ahmed, F. Sagi, M. Karabaev and D. Dudits (1994) Gene expression in transgenic cereals.** *Plant Genome II Conference. Town & Country Conference Center, San Diego, CA, USA, January 1994.*
58. Kasem Z. Ahmed*, **A. Mesterhazy & F. Sagi (1993) In vitro techniques for selecting wheat (*Triticum aestivum* L.) for Fusarium-resistance.** **39. Novenyvedelmi Tudományos Napok (39th meeting of Plant Protection Sciences),** *Budapest, Hungary, 23-24 February 1993.*
59. K. Z. Ahmed* & **F. Sagi (1991) Plant regeneration from cell suspension and protoplast culture and In vitro selection for Fusarium-resistance in wheat.** **Biotechnologiai Eredmenyek Alkalmazásának Helyzete a Magyar Novnyemesítésben.** *(Situation of Application of Biotechnological Results in the Hungarian Plant Breeding.) Workshop, MTA, Budapest, Hungary, Nov. 28, 1991.*
60. K. Z. Ahmed* & **F. Sagi (1991) Plant regeneration from cell suspension and protoplast culture of wheat (*Triticum aestivum* L).** **(II. Genetikai Kongresszus) 2nd Hungarian Genetic Conference, Szeged, Hungary, Aug. 29-30, 1991.**
61. K. Z. Ahmed*, **A. Mesterhazy & F. Sagi (1991) In vitro selection of wheat for Fusarium resistance.** *Genetic Manipulation in Plant Breeding, EUCARPIA Symposium, Reus/Salou, Spain, May 26-30, 1991.*
62. **T. Bartok*, K. Z. Ahmed & F. Sagi (1990) Exploitation of the endosperm for rapid callus induction in wheat.** *20th Meeting of the Federation of European Biochemical Societies, Budapest, Hungary, Aug. 19-24, 1990.*
63. K. Z. Ahmed* & **F. Sagi (1990) A novel method for wheat callus induction by utilization of endosperm-metabolites.** *Perspectives of Biotechnology, International Symposium. Szeged, Hungary, May 30-31, 1990.*
64. K. Z. Ahmed* & **F. Sagi (1990) In vitro techniques for selecting wheat to Fusarium-resistance.** *Perspectives of Biotechnology, International Symposium. Szeged, Hungary, May 30-31, 1990.*

List of Publication: Prof. Dr. Abdel-Tawab Mohammad Ata

Thesis:

Abdel-Tawab Mohammad Ata (1988): Cytological Studies on Rodents. Minia University.

Abdel-Tawab Mohammad Ata (1994): Comparative Analysis of the Hybrid Dysgenesis Systems in Ontogenesis of *Drosophila melanogaster*. Vavilov Institute of General Genetics, Russian Academy of Sciences, Moscow, Russia

Papers:

1. El- Ashmawy, S. H; H. Z. Allam; M. M. Hussien; and **A. M. Ata** (1988). Karyological studies in the Norway Rat, *Rattus norvegicus* from Egypt. Egypt J. Genet. Cytol., 17 : 195-204.
2. El- Ashmawy, S. H; M. M. Hussien; H. Z. Allam and **A. M. Ata** (1988). The G- And C- Banding Karyotypes Of *Rattus rattus alexandrinus* And *R. r. frugivorus* Naturally Occurring In Egypt. Egypt J. Genet. Cytol., 18 : 65-76.
3. El- Ashmawy, S. H; M. M. Hussien; H. Z. Allam and **A. M. Ata** (1988). Meiotic analysis of two natural forms of Black rat. *Rattus rattus*. Minia J. agric. Res & Dev. Vol. 10: 1739-1750.
4. El- Ashmawy, S. H; H. Z. Allam; M. M. Hussien; and **A. M. Ata** (1989). A comparative analysis of chromosome banding between the Black rat ($2n = 38$, 62 arms) and the Norway Rat ($2n = 42$, 62 arms) occurring in Egypt. Proc. I. Arab. Conf. of Genetics and Cytology. Fayom, Egypt. Vol. I: 331-340.
5. **Ata, A. M**; M. A-H. Mahmoud and K. Z. Ahmed, (1998): Somaclonal Variation in Bread Wheat (*Triticum aestivum* L.). I. Meiotic Analysis of Advanced Generations. Proceedings of the 26th Annual Meeting of the Egyptian Society of Genetics, Sept 29-30, 1998, Alexandria, Egypt, Vol. 1, pp.157-169.
6. Gadel-Karim, S. S; **A. M. Ata** and M. A. Mahmoud (1998). Genetical and Cytological Effects of Melatonin Drug. Zagazig J. Agric. Res. Vol. 25, Pp.259-269.
7. **Ata, A. M** and A. B. Shahin (1999). Variation of G-bands in the chromosomes of *Allactaga tetradactyla*, *Jaculus jaculus jaculus* and *Jaculus orientalis* (Rodentia: Dipodidae) common in Egypt. J. Union Arab Biol., 11(A): 295-309.
8. **Ata, A. M** (2000). Chiasma Frequency and Terminalisation In Relation To Bivalent Sizes Of *Allactaga tetradactyla*: Dipodidea, Rodentia. J. Agric. Sci. Mansoura Univ., 25(5): 2569-2578.
9. **Ata, A. M** and A. B. Shahin (2000). Electron Microscopy Study Of The Meiotic Chromosome Ultrastructure Of The Jerboas *Allactaga tetradactyla* And *Jaculus*

orientalis (Dipodidae: Rodentia) Common In Egypt. Proceeding of the 2nd Arabic Congress of Genetics & Biotechnology, 23-26 Oct.

10. **Ata, A. M.**; A. B. Shahin and H. Z. Allam (2001). A Comparative Analysis of the Rate of Meiosis, Chiasma Frequency and Terminalization In The jerboas *Allactaga* And *Jaculus* (Rodentia: Dipodidae) In Egypt. *Folia biologica* (Krakow), 49:129-135.
11. Shahin, A. B and **A. M. Ata** (2001) A Comparative Study On The Karyotype And Meiosis Of The jerboas *Allactaga* And *Jaculus* (Rodentia: Dipodidae) In Egypt. *Zoology in the Middle East*, (Hamburg Univ., Germany) 22:5-16.
12. **Ata, A. M.**; M. A-H. Mahmoud; H. Z. Allam and N. G. Darwish (2003) Cytological studies on some faba bean genotypes and their tissue culture derivatives. Proceeding of 10th National Conference of Agronomy, Fac. Environ. Agric. Sci. El Arish, Suez Canal Univ., 7-10 oct., 2003.
13. Mahmoud, M. A-H.; **A. M. Ata**; H. Z. Allam and N. G. Darwish (2003) Molecular and biochemical identification of some Egyptian faba bean genotypes. Proceeding of 10th National Conference of Agronomy, Fac. Environ. Agric. Sci. El Arish, Suez Canal Univ., 7-10 oct., 2003.
14. Mahmoud, M. A-H.; **A. M. Ata**; H. Z. Allam and N. G. Darwish (2003) Responsiveness of four genotypes of faba bean to *in vitro* callus induction and plantlet regeneration. Proceeding of 10th National Conference of Agronomy, Fac. Environ. Agric. Sci. El Arish, Suez Canal Univ., 7-10 oct., 2003.
15. Elmamlouk E. A-k. H.; **A. M. Ata**; M. A-H. Mahmoud ; H. M. H. Foly and H. Z. Allam (2002) Cytological Features And Isozymes Profile Of Some *Allium sativum* Genotypes (Garlic) Cultivated In Egypt. *Minia Journal of Agricultural Research and Development*; 22: 1429-1440.
16. Shahin, A. B and **A. M. Ata** (2004) C-banding Karyotype and Relationship of the dipodids *Allactaga* and *Jaculus* (Mammalia: Rodentia) In Egypt. *Folia biologica*, 52:25-31.
17. **Ata, A. M** (2005) Constitutive Hetrochromatin Diversification Of Two *Allium* Species Cultivated In Egypt. *Minia J. of Agric. Res. & Develop.*Vol.(25) No.4 pp 663-676.
18. **Ata, A. M** and A. B. Shahin (2006) C-Heterochromatin and chiasma distribution in *Allactaga* and *Jacullus* (Rodentia: Dipodidae). *Belgian Journal of Zoology.*, 136 (1): 59-68.

19. **Ata, A. M;** F. A. Nassef; A. E. Abu Salha and W. M. Abdel Hamid (2005) Cytogenetic studies on three species of domestic birds (Galliformes: Aves), I- Chromosome morphology and C-banding analysis. *Minia J. of Agric. Res. & Develop.* Vol.(25) No.5 pp 977 – 1000.
20. **Ata, A. M;** A. A. B. Shahin and M. I. Shoukamy (2006): Karyological studies of *Arvicanthis niloticus* (Rodentia: Murinae) in Egypt. *Agricultural Research Journal; Suez Canal University*, 6:35-43.
21. Shahin, A.A.B; **Ata, A. M** and Shoukamy, M.I (2006): Chromosomal and C-heterochromatin characterization of *Arvicanthis niloticus* (Rodentia: Murinae) in Egypt. *International Journal of Zoological Research* 2(4): 301-311.
22. **ATA, A. M;** FAHMY. A. M. NASSIF; AHMED. E.ABU-SALHA AND WALID. M.A. FANDY (2007): Cytogenetic studies on two species of domestic birds (Galliformes, aves): II- Meiotic behavior. *African Crop Science Conference Proceedings* Vol. 8. pp.777-781.
23. OSMAN, S. A; **A. M. ATA** AND S. H. GAD EL-HAK (2007):Morphological, Germination, Bolting and Cytogenetical Characteristics of Fourteen Promising Garlic Genotypes. *African Crop Science Conference Proceedings* Vol. 8. pp. 2005-2012.
24. Shahin, A. B and **A. M. Ata** (2003) C-banding Karyotype and Relationship of the dipodids *Allactaga* and *Jaculus* (Mammalia: Rodentia) In Egypt. *Proceedings of the International Conference of Systematics, Phylogeny and Paleontology of Small Animals*, Saint Petersburg (Russia) 24-27th Nov. 2003. pp: 231-235.
25. **Ata, A. M** (2005) Constitutive Heterochromatin Diversification of Two *Allium* Species Cultivated in proceeding of 7th African Crop Science Society Conference (ACSS) Entebbe, Uganda. 5-9th Dec. 2005.
26. **Ata, A. M;** E. A. El-Mamlouk; F. A. M. Nassif and H. A. H. Soltan (2008) Cytotoxic Effects of Some Synthetic and Bio-Fungicides on *Vicia faba*. *Minia J. of Agric. Res. & Develop.* Vol.(28) No.4 pp 647 –670.
27. **Ata, A. M** and S. A-M. Osman (**2009**): Gametogenesis of two garlic clones relevant to Egyptian origin. Ninth African Crop Science Society Conference Sept., Cape town,
28. Nassif, F. A. M; **A. M. Ata;** E. A. H. El-Mamlouk and H. A. H. Soltan (2009): Genotoxicity of some synthetic and bio-fungicides on *Vicia faba* and the yeast tester strain (D7). *Egypt. J. Agric. Res.*, (87): 301-315.

29. **A. M. Ata**, M. A-H. Mahmoud; R. A-K. Ragab and Hanaa S. Hanafy (2010): Chromosomal Studies on Egyptian Garlic during Tissue Culture Course. Proceedings of the 2nd Minia Conference of Agriculture and Environment, March 22-24th pp: 437-445.

M.Sc theses were finished under his supervision:-

1. Cytological and Molecular Studies in Faba Bean Tissue Culture.
2. Cytological and molecular studies on some birds.
3. Morphological, karyological and electrophoretical Studies on genus *Arvicanthis* (Rodentia: Murinae) in Egypt.
4. Genetical and cytological studies on Onion treated with Gamma rays.
5. Studies on genetical and cytological effects of some agrochemicals on different biological systems.
6. Genetical and cytological studies on garlic (*Allium sativum*).

Running Scientific Supervision on M.sc thesis entitled as follow:

- 1- Genetical and cytological studies on bread wheat gameto-clones.

Running Scientific Supervision on (5) Ph.D thesis entitled as follow:

- 1- Genetical and chemical studies in some members of the *Alliaceae* and *Cruciferae* families.
- 2- Molecular cytogenetic studies on duck.
- 3- Genetical and Molecular studies on some garlic clones.
- 4- Cytological and biochemical studies on some species of Egyptian birds (class: Aves).

CONFERENCES

1. All local and intrnational ceintific confereences of Egyptian Society of Genetics and cytology.
2. Certain seminars of Faculty of Agriculture in Minia Univ.
3. Some periodical conferences of Egyptian Society of Agronomy and plant breeding.
4. The Arabic conferences of Horticulture.

Member in Organization Committee of the following a conferences:

1. 2nd Arab Congress of Genetics and Biotechnology "Challenges of Genetics and Biotechnology in the third Millenium." Oct. 23-26 (2000), Minia Univ.
2. 1st Minia Conference for Agricultural and Environmental Sciences. March 25-28 (2002), Minia, Egypt.
3. Minia International Conference "Towards a Safe and Clean Environment " TSCE ,05. April 15-18 (2005), Minia, Egypt.
4. 8th African Crop Science Society Conference 27- 31 October 2007- El-Minia, Egypt.
5. 2nd Minia Conference for Agricultural and Environmental Sciences. March 22-24th (2010), Minia, Egypt.

List of Publication: Prof. Dr.Mohamed Abdel-Hakim Mahmoud

Thesis:

1. **Mohamed Abdel-Hakim Mahmoud** (1986): Genetical analysis of Acriflavine resistance in *Neurospora crassa*. M. Sc. Thesis, Faculty of Agric., Minia University, El-Minia, Egypt.
2. **Mohamed Abdel-Hakim Mahmoud** (1994): Molecular characterization of Cryptic Flagellin genes and Flagellar regulones in Strains of the Genus *Shigella*. Ph. D. Thesis, The Graduated School of Natural Science and Technology, Faculty of Science, Okayama University, Okayama, Japan.

Papers:

1. **Mahmoud, M. A-H.**; A. Tominaga, and M. Enomoto (1991): Nucleotide Sequence of the Cryptic Flagellin Gene, *fliC_{SS1}*, cloned from *Shigella sonnei* and its comparison with other Flagellin Genes, Japanese Journal of Genetics. 66(6): 778.
2. **Mahmoud, M. A-H.**; A. Tominaga, and M. Enomoto (1992): Cloning and sequencing analysis of the cryptic Flagellin gene, *fliC_D*:IS1D from *Shigella dysenteriae*. Japanese Journal of Genetics, 67(6): 527.
3. Tominaga, A.; **M. A-H. Mahmoud**; T. Mukaiharu and M. Enomoto, (1994): Molecular characterization of intact, but cryptic, flagellin genes in the genus *Shigella*. Molecular Microbiology. 12(2): 277.
4. Gad El-Kareem, S. S.; A. M. Ata and **M. A-H. Mahmoud**, (1998): Genetical and cytological effects of melatonin drug. Zagazig J. Agric. Res. Vol. 25, pp.259-269.
5. Gad El-Kareem, S. S.; **M. A-H. Mahmoud** and O. F. Dakhly, (1998): Improvement of phosphate dissolving efficiency in *Bacillus megatherium* var *phosphaticum* and its gain nitrogen fixation via transformation. Zagazig J. Agric. Res. 25(2): 245-257.
6. Dakhly, O. F.; **M. A-H. Mahmoud** and F. A-S. M. Nassif, (1998): Studies on the efficiency of *Azotobacter vinelandii* and *Bacillus megatherium* var *phosphaticum* wild types and their UV induced mutants on sorghum. Assiut J. Agric. Sci., Vol, 29, pp75-89, (1998).
6. Abdel-Twab, M. Ata; **M. A-H. Mahmoud** and K. Z. Ahmed, (1998): Somaclonal variation in bread wheat (*Triticum aestivum* L.). I. Meiotic analysis of advanced generations. Proceedings of the 26th Annual Meeting of the Egyptian Society of Genetics, Sept 29-30, 1998, Alexandria, Egypt, Vol. 1, pp.157-169.
7. Gad El-Kareem, S. S.; **M. A-H. Mahmoud** and F. A-S. M. Nassif, (1998): Improving efficiency of heat, salt tolerant and dissolving sparsely insoluble phosphorus form in *Azotobacter vinelandii* through transformation, Egypt Appl. Sci; Vol, 13, pp 54-70. (1998).

8. **Mahmoud, M. A-H.**, (1999): Induction and isolation of *Azospirillum brasilense* mutants via transposon Tn5 and their effect on some growth characters of wheat. Union Arab Biol, Cairo, Vol. 8, pp.211-221.
9. **Mahmoud, M. A-H.**, (2000): Growth emergence of maize in response to inoculation with wild type and induced biochemical mutants of nitrogen-fixing and phosphate-solubilizing *Azotobacter chroococcum*. J. Agric. Sci. Mansoura Univ., 25(50): 2555-2567.
10. **Mahmoud, M. A-H.**; S. S. Gad El-Kareem; F. A-S. M. Nassif and H. B. Zahran, (2002): Genetic improvement of some desirable characteristics of *Saccharomyces cerevisiae* via protoplast fusion between mutants of identical and non-identical mating types, Proc. Minia 1st Conf. for Agric. & Environ. Sci., Minia, Egypt, 1413-1427.
11. Emad, A-k. H. Elmamlouk; A. M. Ata; **M. A-H. Mahmoud**; and H. Z. Allam, (2002): Cytological Features and Isozymes Profile of Some *Allium sativum* Genotypes (Garlic) Cultivated In Egypt. Proc. Minia 1st Conf. for Agric. & Environ. Sci., Minia, Egypt, 1429-1436.
12. **Mahmoud, M. A-H.**; A. M. Ata; H. Z. Allam and N. G. Darwish, (2003): Molecular and biochemical identification of some faba bean genotypes cultivated in Egypt. In: Proceeding of The 10th International Conference of Agronomical Sci., Fac. Agric. & Environ. Sci., Suez Canal Univ., El-Arish, Egypt, October 804-818.
13. **Mahmoud, M. A-H.**; A. M. Ata; H. Z. Allam and N. G. Darwish, (2003): Responsiveness of four genotypes of faba bean to *in vitro* callus induction and plant regeneration, In: Proceeding of the 10th International Conference of Agronomical Sci., Fac. Agric. & Environ. Sci., Suez Canal Univ., El-Arish, Egypt, 773-786.
14. Abdel-Tawab, M. Ata; **M. A-H. Mahmoud**; H. Z. Allam and N. G. Darwish, (2003): Cytological studies on some genotypes of faba bean tissue cultures, In: Proceeding of The 10th International Conference of Agronomical Sci., Fac. Agric. & Environ. Sci., Suez Canal Univ., El-Arish, Egypt, 787-802.
15. **Mahmoud, M. A-H.**, K. Z. Ahmed; H. Z. Allam and Masya A. M. Hefny (2004): Optimization of *Agrobacterium*-mediated transformation in cucumber (*Cucumis sativus* L). Proceedings of The International Conference of Genetic Engineering & its Applications, 8-11 April 2004, Sharm El-Sheikh, Egypt, pp: 73-86.
16. Ahmed, K. Z.; **M. A-H. Mahmoud**; H. Z. Allam and Masya A. M. Hefny (2004): Towards genetic improvement of Egyptian cucumber (*Cucumis sativus* L.) via *in vitro* techniques. I. Optimization of a plant regeneration system. In: Proceeding of The 4th Scientific Conference of Agricultural Sciences, Fac. Agric., Assiut Univ., Assiut, Egypt, December 7-9,867-884.

17. **Mahmoud, M. A-H.**; O. F. Dakhly; A. T. Abdel-Rahem and G. M. Anwar (2004): *In vitro* regeneration and somaclonal variation among regenerated plants of tomato (*Lycopersicon esculentum* Mill.), In: Proceeding of The 4th Scientific Conference of Agricultural Sciences, Fac. Agric., Assiut Univ., Assiut, Egypt, December 7-9, 899:900.
18. **Mahmoud, M. A-H.**, K. Z. Ahmed; H. Z. Allam and A. M. M Hussen (2005): Studies on *Agrobacterium*-mediated transient transformation in barley (*Hordeum vulgare* L.) cultivated in Egypt, Minia J. of Agric. Res. & Develop., **25:261-280**.
19. **Mahmoud, M. A-H.**; O. F. Dakhly; A. T. Abdel-Raheem and G. M. Anwer (2005): Improving salt tolerant of tomato (*Lycopersicon esculentum* mill.) through *Agrobacterium*-mediated genetic transformation, Minia J. of Agric. Res. & Develop., **25:225-245**.
20. **Mahmoud M. A-H.**; O. F. Dakhly; A. T. Abdel-Raheem and Gehan M. Anwer (2005): Somaclonal variation among R₁ plants regenerated from tomato (*Lycopersicon esculentum* Mill.), Minia J. of Agric. Res. & Develop., **25:247-260**.
21. **Mahmoud M. A-H.**, and O. F. Dakhly, (2005): Genetic Manipulation In Environmental Clean Up, I- Engineering Microbes for Improved Bioremediation, Proceedings of the Minia International Conference "Towards a Safe and Clean Environment" (TSCE 05), 15-18 April, 2005, El-Minia Egypt.
22. **Mahmoud M. A-H.**, and O. F. Dakhly, (2005): Genetic Manipulation In Environmental Clean Up, II- Phytoremediation of Metals Using Transgenic Plants, Proceedings of the Minia International Conference "Towards a Safe and Clean Environment" (TSCE 05), 15-18 April, 2005, El-Minia Egypt.
23. **Mahmoud M. A-H.**, (2005): Salinity Tolerance of Tomato Infected With *Agrobacterium* Containing a Bacterial *mtlD* Gene Encoding Mannitol-1-Phosphate Dehydrogenase, Agricultural Research Journal; Suez Canal University; 5: 69-77.
24. **Mahmoud M. A-H.**, (2005): Selection of *Pseudomonas solanacearu* Resistant Tomato Plants *via* Tissue Culture, Agricultural Research Journal; Suez Canal University; 5: 63-67.
25. E. M. Fadi-Allah, **M. A-H. Mahmoud** and R. K. Helmeý (2007): Genotoxic effect of Aflatoxin B1 on 5S rDNA gene and meiotic chromosomes of wheat, African Crop Science Conference Proceedings Vol. 8. pp. 683-690.
26. **Mahmoud M. A-H.**, E. M.d Fadi-Allah, M. H. Abdel El-Tawab and R. K.l Helmeý (2008): Molecular and cytological effect of deoxynivalenol mycotoxin (DON) in in *Triticum vulgare* using RAPD-PCR analysis, Chromosome Botany 3:3139
27. Magdy Hussein Abd El-Twab, **M. A-H. Mahmoud**, R. K. Helmeý and E. M. Fadi-Allah, (2009): Molecular cytological effects of some mycotoxins to chromosomes of *Triticum durum* using RAPD-PCR fluorescence in situ hybridization, Chromosome Botany 4:13-18.

List of Publication: Prof. Dr.Omr Fathy Dakhly

1. Mahmoud, M. A-H.; O. F. Dakhly; A. T. Abdel-Raheem and G. M. Anwer (2005): Improving salt tolerant of tomato (*Lycopersicon esculentum* mill.) through *Agrobacterium*-mediated genetic transformation, Minia J. of Agric. Res. & Develop., **25:225-245**.
2. Mahmoud M. A-H.; O. F. Dakhly; A. T. Abdel-Raheem and Gehan M. Anwer (2005): Somaclonal variation among R₁ plants regenerated from tomato (*Lycopersicon esculentum* Mill.), Minia J. of Agric. Res. & Develop., **25:247-260**.
3. Mahmoud M. A-H., and O. F. Dakhly, (2005): Genetic Manipulation In Environmental Clean Up, I- Engineering Microbes for Improved Bioremediation, Proceedings of the Minia International Conference "Towards a Safe and Clean Environment" (TSCE 05), 15-18 April, 2005, El-Minia Egypt.
4. Mahmoud M. A-H., and O. F. Dakhly, (2005): Genetic Manipulation In Environmental Clean Up, II- Phytoremediation of Metals Using Transgenic Plants, Proceedings of the Minia International Conference "Towards a Safe and Clean Environment" (TSCE 05), 15-18 April, 2005, El-Minia Egypt.
5. A.T. Abdel-Rahem; R.A. Ragab; O.F. Dakhly and R.A.Eid . 1st Tunisian Egyptian and Syrian Con.2006Improvement of *Azotobacter vinelandii* efficiency for nitrogen fixation through mutation induction and conjugation.
6. R. A. Ragab, A. T. Abdel-Rahem, Kasem Z. Ahmed, Omar, F. Dakhly, Samera A. Mohamed (2007) Evaluation of R2 tomato somaclone plants selected under poly ethylene glycol (PEG) treatments. In: Proceeding of The 8th African Crop Science Society Conference, 27-31 October 2007, El-Minia, Egypt, pp: 2017- 2026
7. A.T. Abdel-Rahem, R. A. Ragab, Kasem Z. Ahmed, Omar, F. Dakhly, Samera A. Mohamed (2007) In vitro selection for tomato plants for drought tolerance via callus culture under polyethylene glycol (PEG) and mannitol treatments. In: Proceeding of The 8th African Crop Science Society Conference, 27-31 October 2007, El-Minia, Egypt, pp: 2027- 2032.
8. Abdel-Rahem,A.T.; R.A.Ragab; O.F.Dakhly and R.E.Eid, (1995) Improvement of *Azotobacter vinelandii* efficiency for nitrogen fixation through mutation induction and conjugation. Egyptian J. Appl. Sci. Vol.10 pp:753-771
9. Dakhly, O.F.; Abou- Salha, A. E.; Metwaly, A.S.; Mohamed, A.G. and El-Ashmawy,S.H. Biochemical Genetic Indices Tomato Plants Resistant to Toxin Produced By Tissue Culture. 1st Egyptian & Syrian Conf . Agric & food in Arab World , El Minia: 8-11 Dec., 2003
10. Dakhly, O.F. ; Abou -Salha, A.E. Mohamed, A.G. El-Ashmawy, S.H. In Vitro Selection Of Callus Resistant To *Alternaria Solani* Toxin In Some Tomato

Caltivers. 1st Egyptian & Syrian Conf ., Agric & Food in the Arab World , El Minia: 8-11 Dec., 2003.

11. Abou-Salha, A. , O. F. Dakhly, A. Gomma and S. EL-Ashmawy (2003). Tomato plants produced by tissue culture and resistant to *Alternaria solani* toxin . First Egyptian and Syrian Conference, EL-Minia University and AL-Baath University on Agriculture and food in Arab world. December, 8-11, 2003 – El-Minia, Egypt.
12. . EL-Ashmawy , S., O.F. Dakhly, A. Abou-Salha, and A. Gomma (2003). Role of proteins , isozymes and chlorophyll in transgenic tomato plants resistant to *Alternaria solani* toxin. First Egyptian and Syrian Conference, EL-Minia University and AL-Baath University on Agriculture and food in Arab world. December, 8-11, 2003 – El-Minia, Egypt.

List of Publication: Dr. Sayed Abdel-Maksoud Osman

Papers Published in Refereed Journals:

1. **Sayed Abdel-Maksoud Osman**, Masashi Sekino, Masahide Nishibori, Yoshi Kawamoto, Keiji Kinoshita, Yoshio Yamamoto, Masaoki Tsudzuki (2004). Genetic Variability and Relationships of Japanese Native Chickens Assessed by Means of Microsatellite Profiling Approach— Focusing on the Oh-Shamo (Japanese Large Game) and its Related Breeds. *J. poul. Sci.* 41: 94-109.
2. **S.A.M. Osman**, M. Sekino, M. Nishibori, Y. Yamamoto and Masaoki Tsudzuki (2004). Genetic Variability and Relationships of Japanese Native Chickens Assessed by Means of Microsatellite Profiling Approach-Focusing on the Breeds Established in Kochi Prefecture, Japan-. *Asian-Aus. J. Anim. Sci.* 18: 755-761.
3. **Sayed Abdel-Maksoud Osman**, Masashi Sekino, Takehito Kuwayama, Keiji Kinoshita, Masahide Nishibori, Yoshio Yamamoto and Masaoki Tsudzuki (2006). Genetic Variability and Relationships of Japanese Chickens Based on Microsatellite DNA Polymorphisms-Focusing on the Natural Monuments of Japan-. *J.poul.Sci.* 43:12-22.
4. **S.A.M. Osman**, M. Sekino, A. Nishihata, Y. Kobayashi, W. Takenaka, K. Kinoshita, T. Kuwayama, M. Nishibori, Y. Yamamoto and Masaoki Tsudzuki(2006). Genetic Variability and Relationships of Japanese Native Chickens and Some Foreign Breeds Assessed by Means of Microsatellite Profiling Approach. *Japan-. Asian-Aus. J. Anim. Sci.* 19: 1369-1378.
5. S. H. El-Ashmawy, H. Z. Allam and **S. A. Osman** (2000). Transferrin Polymorphism in The Domestic Sheep of Egypt. *Egypt. J. Genet. Cytol.*,29: 143-148.

Papers Published in Conference Proceedings:

1. **S. A.-M. OSMAN**, Y.T. Abd EL-Mageed, H. S. HASSAN and O.F. Dakhly (2009) The Role of Some Azospirillum Isolates and Their Productivity of (IAA) on Cucumber Production Under Plastic House Conditions. The Seventh International Conference of Organic Agriculture, 13-15 December 2009, Cairo, Egypt. *J.Agric. Res.*, 87 (1), 2009. pp. 405-420.
2. Abdel-Tawab M. Ata and **Sayed A-M. Osman** (2009) Gametogenesis of two Garlic Clones Selected From Egyptian Indigenous Forms. The 9thAfrican Crop Science Society Conference, 28 September to 1 October 2009, Cape Town, South Africa. In press.
3. **Sayed A-M. Osman** and *Yasser M.M. Moustafa* (2009) Horticultural and Cytogenetical Characteristics of Some Egyptian and Foreign Garlic Cultivars. The

9th African Crop Science Society Conference, 28 September to 1 October 2009, Cape Town, South Africa. In press.

4. Sayed A.-M. Osman, Abdel-Tawab M. Ata1 And Seif El-Nasr H. Gad El-Hak **(2007)** Morphological, Germination, Bolting and Cytogenetical Characteristics of Fourteen Promising Garlic Genotypes. Proceedings of The 8th African Crop Science Conference, El – Minia, 27-31 October 2007 Vol. 8. pp. 2005-2012.

5. S. H. El-Ashmawy, H. Z. Allam and S. A. Osman (2000) Giemsa Banding Patterns of Domestic Sheep introduced to Egypt From Syria (Asia), Sudan (Africa) and Cyprus (Europe). Proceedings of The 2nd Arab Cong. Genetic Science & Biotechnology, El-Minia, Egypt, 23-26 October 2000, pp: 281-300.

6. S. H. El-Ashmawy, H. Z. Allam and S. A. Osman (2000). The Karyotype of Chios: A Promising Domestic Sheep Breed Introduced To Egypt. Proceedings of The 2nd Arab Cong. Genetic Science & Biotechnology, El-Minia, Egypt, 23-26 October 2000, pp: 301-307.

7. S. H. El-Ashmawy, H. Z. Allam and S. A. Osman (2000). Cytological Stability In Domestic Sheep Of Egypt. Proceedings of The 2nd Arab Cong. Genetic Science & Biotechnology, El-Minia, Egypt, 23-26 October 2000, pp: 309-327.

Abstracts Presented at Conferences

1. S. A.-M. Osman, M. Sekino, M. Nishibori, Y. Kawamoto, K. Kinoshita, Y. Yamamoto, M. Tsudzuki **(2004)**. Genetic Variability and Relationships of Japanese Native Chickens Based on Microsatellite DNA Polymorphisms - Focusing on the Oh-Shamo (Japanese Large Game) and its Related Breeds. Japan Poultry Science Association. Spring meeting in Tokyo University of Agriculture and Technology, Tokyo, March 28. 2004, pp: -.

2. Sayed .A.-M. Osman, Masashi Sekino, Masahide Nishibori, Yoshio Yamamoto and Masaoki Tsudzuki **(2004)**. Genetic Variability and Relationships of Japanese Native Chickens Based on Microsatellite DNA Polymorphisms- Focusing on the Breeds Established in Kochi Prefecture, Japan-. Proceedings of the 29th International Conference on Animal Genetics. ISAG, Meiji University, Tokyo, September 11-16.2004, E078, pp: 42

أ.د. سمير حلمي العشماوي: List of Publication

- 1- de Hondt, H. A. , Hussein, M.M. , Younis, S.El Din,A. and El Ashmawy S.H.; Sex chromosome polymorphism in Egyptian rodents. A cytogenetic study. Egypt.J.Genet. cytol. 6(2): 199-206. (1977).
- 2- de Hondt, H.A.; Hussein, M.M.; Saad, F.F. and El Ashmawy, S.H. Biochemical and cytological studies of two forms of *Rattus rattus* in Egypt. Egypt.J.Genet. cytol. 6(2): 207-216. (1977).
- 3- de Hondt, H.A.; Hussein ,M.M. and El Ashmawy, S.H. The karyotype of *R.rattus* in Egypt, Absence of numerical polymorphism. Egypt. J.Genet.Cytol. 9(2):211-215.(1979).
- 4- de Hondt, H.A.; Hussein, M.M.; Allam ,H.Z. and El Ashmawy, S.H. karyological studies on the spiny mouse, *Acomys cahirinus*, in Egypt. Proc.2nd Mediterranean Conf. ,Cairo, March, (438-510). (1984).
- 5- El Ashmawy, S.H. Chromosomal studies of the species *Sekeetemys calurus*. Minia J.Agric.Res. & Dev.7(2): 579-589. (1985).
- 6- El Ashmawy, S.H. Karyotype and constitutive heterochromatin in Egyptian Greater Gerbil (*Gerbillus pyramidum*). Minia J.Agric. Res.&Dev. 7(2): 709-620. (1985).
- 7- El Nahass,E. and El Ashmawy, S.H. Karyological study of local population of domestic sheep (*Ovis aries*) in Egypt .Minia J.Agric. Res.& Dev. 7(4): 1499-1506. (1985).
- 8- Ibrahim, S.A.; El Ashmawy, S.H. and Awad, A.M. Parathion and methyl parathion induced mutagenesis in *Saccharomyces cerevisiae*. Minia J.Agric. Res.&Dev. 7(4): 1507-1521. (1985).
- 9- El Ashmawy, S.H. and de Hondt, H.A. Litter sizes and karyotypes of offspring from crosses between *Acomys cahirinus cahirinus* and *Acomys cahirinus hunteri* . Minia J.Agric. Res. &Dev. 7(4): 1535-1544. (1985).
- 10- Sallam, M.T. and El Ashmawy, H.S. Some productive trait differences and karyotypical studies in four breeds of domestic rabbits (*Oryctolagus cuniculus*). Minia J.Agric. Res.&Dev. 7(4):1545-1560. (1985).
- 11- El Ashmawy, S.H. and de Hondt, H.A. Cytological study on five strains of local and imporved rabbits (*Oryctolagus cuniculus*) Bull. Fac. Agric. , Cairo Univ. 37(1): 289-295. (1986).
- 12- El Ashmawy, S.H. and de Hondt, H.A. Somatic karyotype and idiogram of *Meriones crassus* (*Mammalia; Rodentia*) in Egypt. Bull. Fac Agric. Cario Univ. 37(1): 297-307. (1986).
- 13- El Ashmawy, S.H. and de Hondt, H.A. A case of spontaneous robertsonian translocation in a Sundevall's Jird (*Meriones crassus*). Annals Agric. Sci. ,Fac. ,Ain Shams Univ. ,Cario, Egypt . 31(2): 1315-1322. (1986).

- 14- El Ashmawy, S.H. ;Allam, H.Z. ; Hussein, M.M. and Ata , A.M. karyological studies in the norway rat, *Rattus norvegicus* from Egypt . Egypt. J. Genet. Cytol. , 17:195-204. (1988).
- 15- El Ashmawy, S.H. Comparative chiasma analysis of two biotypes of spiny mice, *Acomys cahirinus* and their hybrid. Egypt. J.Genet Cytol. ,17:205-215. (1988).
- 16- El Ashmawy, S.H. ; Hussein, M.M ; Allam, H.Z. and Ata,A.M. Meiotic analysis of two natural forms of black rat, *Rattus rattus*. Minia J. Agric. Res. &Dev. Vol. 10, No. (4), 1739-1750(1988).
- 17- El Ashmawy, S.H. Idiogram of two Biotypes of spiny mice, (*Acomys cahirinus*), and their hybrid. Minia J. Agric. Res.& Dev. Vol. 10 No. (4), 1751-1766(1988).
- 18- El Ashmawy, S.H. ; Hussein, M.M. ; Allam, H.Z, and Ata,A.M. The G and C-banded karyotypes of *Rattus rattus* from Egypt. Egypt J. Genet . Cytol, 181(1) : 65-76(1989).
- 19- El Ashmawy, S.H. A flame-drying method for the preparation of spermatogonial and spermatocytic chromosomes in rodents. Egypt J. genet . cytology. ,18(1) : 77-82(1989).
- 20- El Ashmawy, S.H. Spermatogonial and spermatocytic chromosomes in the male of El Kahira spiny mice, *Acomys cahirinus*, (*Murdae; Rodentia*). Minia J. Agric. Res. &Dev. Vol. 11 ,No. (1)527-540, (1989).
- 21- El Ashmawy, S.H. and Abd el Aziz ,K.B. Carmoisine and Amaranth-induced chromosomal abnormalities in laboratory mice, (*Mus musculus*) Minia J. Agric. Res. &Dev. Vol. 11, No. (2), 577-589(1989).
- 22- Abd el Aziz, K.B. and El Ashmawy, S.H. Cytogenetic effects of praziquantel on bone marrow and spermatogonia of mice. Minia J.Agric. Res. &Dev. Vol. 11, No. (2)591-604(1989).
- 23- Abd el -Aziz, K.B ; El Nahas, S.M. and El Ashmawy,S.H. Evaluation of pirprofen-Antirheumatic drug- mutagenesis. Egypt. J.Hist. ,12(1), 109-116, June1989.
- 24- El Ashmawy, S.H. Comparative studies on karyograms , idiograms , fertility and blood potassium types in sex breeds of domestic sheep (*Ovis aries*) in Egypt. Egypt. J. Genet. Cytol 18(2): 231-243 (1989).
- 25- El Ashmawy, S.H. . Abd el-Fadeil, M.R. ; Mohamed, M.G. and Abd el-Hakim, S.M. The effect of some oral contraceptive hormones on sister chromatid exchanges, cell cycle and mitotic activity in mice. Egypt. J. Genet. Cytol. ,19: 1-8 (1990).
- 26- El - Ashmawy, S.H. Karyotypes of two Egyptian biotypes of spiny mice, *Acomys cahirinus* and their hybrids. Egypt. J. Genet. Cytol. 19: 189-194(1990).
- 27- El Ashmawy, S.H. ; Allam, H.Z. ; Hussein, M.M. and Ata, A.M. A comparative analysis of chromosome banding between the black rat ($2n = 38,62$ arms) and the norway rat ($2n = 42$, 62 arms) occurring in Egypt. (Proc 1st Arab Conf. Genet., Fayoum, Egypt.) Egypt. J. Genet. &Cytol. 20: 320-331 (1991).

- 28- El Ashmawy, S.H. ; Abdel Rahem, A.T. and Abu-Salha, A.E.. Cytological effects of two colchicine drugs on *Allium cepa*, root tips. Egypt. J. Genet. Cytol. 21:133-141, 1992.
- 29- El Ashmawy, S.H. ; H.Z. Allam , and S.A. Osman. Giemsa banding patterns of domestic sheep introduced to Egypt from Syria (Asia), Sudan (Africa) and Cyprus (Europe). 2nd Arab Congress of Genetics and Biotechnology, October 2000. El Minia, Egypt.
- 30- El Ashmawy, S.H. ; H.Z. Allam , and S.A. Osman. Cytological stability in domestic sheep of Egypt. 2nd Arab Congress of Genetics and Biotechnology, October 2000. El Minia, Egypt.
- 31- El Ashmawy, S.H. ; H.Z. Allam , and S.A. Osman. The karyotype of Chios : a promising domestic sheep breed introduced of Egypt. 2nd Arab Congress of Genetics and Biotechnology, October 2000. El Minia, Egypt.
- 32- El Ashmawy, S.H. ; H.Z. Allam , and S.A. Osman. Serum transferrin polymorphism in the domestic sheep of Egypt. 2nd Arab Congress of Genetics and Biotechnology, October 2000. El Minia, Egypt. Egypt. J. Genet. Cytol. 29 : 143 – 148 , 2000.

List of Publication: Prof. Dr.Ragab Abdel-Khalik Ragab

- Hussien M.M. Allam H.Z and Ragab R.A (1980) Cytological Studies on the effects of the insecticides lannate and Dursban on Gossypium barbadense L. II- Meiotic behaviour of C1 and C2 plants Res Bull Fac. Of Agric Ain Shams Univ.No 1379**
- Allam. H.Z Hussein. M.M and Ragab R.A.(1980) Cytological studies on effects of insecticide Lanntc and Dursban on Gossypium barbadense L. Effects on Mitosis Res Bull Fac. Of Agric Ain Shams Univ.No 1378**
- Selim A.R. M.M Hussein Allam H.Z and Ragab A.R (1981)The effect of three synthetic organic insect sides (Nuvacron Cyulane and Klethanano / Din ethotate) on the cytological features and morphological characters in cotton Gossypium barbadense L II-The cytological and morphological behaviors in C1 and C2 plants Res Bull Fac. Of Agric cairo Univ of cairo.voll XXXII .67-91**
- Selim A.R Hussen M.M Allam II.Z and ragab R.A (1981)The effect of three insecticides (Nuvacron . Cyolane and Kelthanane /Dimethane) on the cytological features and morphological characters on cotton Gossypium barbadense L). I. The effect of the three insectsiedes on mitotic division Res Bull Fac. Of Agric cairo Univ of cairo.voll XXXII 27-91**
- Ragab ,R.A. and Abdel-Rahem,A.T.(1989):cytological and Biochemical studies on the effect of IGR,s on Zea mays. Cytologia ,54 pp:653-660.**
- Ragab,R.A.;F.A.S.M. Nassif ; A.T.Abdel-Rahem and S.S. Gad-Elkarem (1989): Protein and isozym patterns of wild type and four mutants in Aspergillus flavus .Minia J. Agric. Res. And Dev. Vol.11 No.(4) pp: 1867-1880
- Abdel-Rahem,A.T. and R.A.Ragab (1989) : Somatic chromosomal aberrations induced by benzaylphenylurea (XRD 473 and IKI 7899) in Vicia faba and Hordeum vulgare. Cytologia, 54 pp:627-634.**
- Ragab,R.A.;Abdel-Rahem,A.T. and M.N.M.Hassan (1989):Investigation on seed protien and meiotic behaviour of Pisum sativum L. following gamma irradiation of dry seeds .Minia J. Agric. Res.and Dev.Vol.11 No.(2) pp:821-835.**
- Ragab A.R. (1990). Regeneration of Tepary bean (Phaseolus actifolus) via organogenesis Minia J. Agric. Res.and Dev. 12 pp 1269-1276.**
- Ragab, A.R. and A.E. Abo-Salha (1990) Genetics of two protein variants in Pisum sativum. Minia J. Agric. Res.and Dev.Vol.12,pp.1277-1287.**

- Ragab,R.A. ; Abdel-Rahem,A.T.and H.Z. Allam (1990): Effect of some insect growth regulators on the chiasma frequencies and banding patterns of amylase and esterase in Zea mays . Minia J. Agric. Res.and Dev. Vol.12 (2) pp: 927-941.**
- Abou-Salha,A.E.; A.T.Abdel-Rahem and R.A.Ragab (1990).Studies on cotyledonary proteins of some facited pisum mutants and recobinants. Minia J.Agric. Res. And Dev. Vol. 12 No.4 pp: 913-925
- Abou-Salha,A.E.; A.T.Abdel-Rahem and R.A.Ragab (1990).Studies on cotyledonary proteins of some facited pisum mutants and recobinants. Minia J.Agric. Res. And Dev. Vol. 12 No.4 pp: 913-925**
- Abdel-Rahem,A.T. and R.A.Ragab (1993) :The cytological and biochemical characteristics of differentiated and undifferentiated soybean callus culture.Egyptian J. of Genet. And Cytol.(1993).**
- Ragab,A.R. and A.T.Abdel-Rahem (1993): Effect of some agrochemicals on chromosomal behaviour of Vicia faba L. Egyptian J. of Genet. And Cytol. 23 pp:119-129.**
- Ragab,R.A.(1994). RFLP mapping and diversity analsis of phytochrome loci in barley (Hordeum vulgare L.) and Sorghum (Sorghum biocolor).Egypt. J. Gent. Cyto. 23:131-141.**
- Ragab,R.A.;Dronavalli, S. ; Saghai Maroof, M.A.; Yu ,Y.G. (1994).Construction of a sorghum RFLP linkage map using sorghum and maize DAN probes .Genom,37:590-594**
- Abdel-Rahem,A.T. and R.A.Ragab (1995): An investigation on gametophytic-sporophytic gene expression of some isozyem in Zea mays L. Egyptian J. Appl. Sci. Vol.10 pp:727-735.**
- Ragab.A.R. and Abdel-Rahem (1995): Effect of gamma rays on the chiasma frequencies in four varities of Pisum sativum L. Egyptian J. Appl. Sci. Vol. 10 pp:717-726.**
- Abdel-Rahem,A.T; R.A.Ragab; Hussien,M.M. and A.O.Rayan (1995): Chromosomal behaviour and isozyemes variations in callus cultures of apple Malus domestica Bork. The 25th Annual Sci. Meeting of the Egyptian Society of Genetics.**
- Abdel-Rahem,A.T.; R.A.Ragab; O.F.Dakhly and R.E.Eid, (1995) Improvement of Azotobacter vinelandii efficiency for nitrogen fixation through mutation induction and conjugation. Egyptian J. Appl. Sci. Vol.10 pp:753-771.**

Abdel-Rahem,A.T; R.A.Ragab; Hussien,M.M.and A.O.Rayan (1995): Genotype and phytohormone influence on growth dynamic and polyphenol biosynthesis of apple callus cultures . Proc. of Fourth Arabic Conf. for Hort. Crops El-Minia Egypt pp:1089-1100.

Ragab ,R.A. (1996). Restriction fragment polymorphism of nuclear genome in cultivated barley (*Hordeum vulgare* L.) Egypt. J. Appl. Sci.,10 ,pp 607-629.

Ragab ,R.A. (1996); Genome Mapping Based on Molecular Markers . Minia J. Agric. Res.and Dev. 18, pp 1269-1276.

A M Mousa, K. Z. Ahmed, H Z Allam, R. A. Ragab and M S A Ali (2002) Combining ability of anther culture for hexaploid wheat (*Triticum aestivum* L.). *Minia J. of Agric. Res. & Develop.*, 22: 359-365.

K. Z. Ahmed, G. A. R. El-Sherbeny, R. A. Ragab, T. Bashandy (2004) Optimization of conditions for regeneration, DNA delivery and transient GUS expression in mature embryos of elite Egyptian bread wheat cultivars using *Agrobacterium tumefaciens*-mediated transformation system. *Proceedings of The International Conference of Genetic Engineering & its Applications*, 8-11 April 2004, Sharm El-Sheikh, Egypt, pp: 87-101.

G. A. R. El-Sherbeny, K. Z. Ahmed, R. A. Ragab, T. Bashandy (2005) Response of Egyptian bread wheat to in vitro techniques II- Isozyme Studies in Callus Cultures and Regenerated plants. *Assiut J. Agric. Sci.*, 36: 91-105.

G. A. R. El-Sherbeny, K. Z. Ahmed, R. A. Ragab, T. Bashandy (2005) Response of Egyptian bread wheat to in vitro techniques I- Immature Embryos Culture and Plant Regeneration. *Assiut J. Agric. Sci.*, 36: 73-89.

K. Z. Ahmed, G. A. R. El-Sherbeny, R. A. Ragab, T. Bashandy (2005) Response of Egyptian Bread Wheat to In Vitro Techniques III- Immature inflorescences culture and Plant regeneration. In: *Proceeding of The 7th Conference of the African Crop Science Society*, 5 to 9 December 2005, Entebbe, Uganda.

R. A. Ragab, K. Z. Ahmed, G. A. R. El-Sherbeny and T. Bashandy (2005) Response of Egyptian bread wheat to in vitro techniques. I- Immature embryos culture and plant regeneration. In: *Proceeding of The 2nd Syrian-Egyptian Conference*, El-Bath University, Hams, Syria, April 25-28, 2005 (Conference CD).

Improvement of *Azotobacter vinelandii* efficiency for nitrogen fixation through mutation induction and conjugation. A.T. Abdel-Rahem; R.A. Ragab; O.F. Dakhly and R.A.Eid . 1st Tunisian Egyptian and Syrian Con.2006

R. A. Ragab, A. T. Abdel-Rahem, Kasem Z. Ahmed, Omar, F. Dakhly, Samera A. Mohamed (2007) Evaluation of R2 tomato somaclone plants selected under poly ethylene glycol (PEG) treatments. In: Proceeding of The 8th African Crop Science Society Conference, 27-31 October 2007, El-Minia, Egypt, pp: 2017- 2026

A.T. Abdel-Rahem, R. A. Ragab, Kasem Z. Ahmed, Omar, F. Dakhly, Samera A. Mohamed (2007) In vitro selection for tomato plants for drought tolerance via callus culture under polyethylene glycol (PEG) and mannitol treatments. In: Proceeding of The 8th African Crop Science Society Conference, 27-31 October 2007, El-Minia, Egypt, pp: 2027- 2032.

**A.M.ATA, M.A.H.mohamed , R.A.K Ragab and Hanan S .Hanafy (2010)
Chromosomal studies on Egyptian garlic during tissue culture course
.Minia 2nd conf . Agric . Environ. Sci. 437-445.**

List of Publication: Prof. Dr. Abdel-Rahem Tawfeek Abdel-Rahem

- 1-Abdel-Rahem,A.T.;M.M.HusseinandA.R.Selim (1978):Comparison between diploid and tetraploid clover (*Trifolium alexandrinum* L.) Minia J. of Agric. Res. And Dev. (1978).
- 2-Abdel-Rahem,A.T.; and Kovacs ,E.I.(1983): Hormonal influence on the polyphenol content of the turmeric and non turmeric tobacco cultures. Inter. Con. of Genetics pp (369) New Delhi
- 3-Verzer-Petri,G.;Oroszlan ,P.andAbdel-RahemA.T.(1985): Biosynthesis of the main alkaloids of *Corydalis cava* plant and its tuber tissue cultures. Intern.Res.Conf. on Natural Products Abstr.No.(101) Chapel Hill North Carolina U.S.A.
- 4-Abdel-Rahem,A.T.; Verzer Petri G. and Szoke,E. (1985):Genetical and Biochemical studies on *Corydalis cava* tuber tissue cultures 33rd Annual Meeting of Medical Plants Regensburg FRG.Abst.No.19.
- 5- Abdel-Rahem,A.T. ; Verzer, Petri G.; Szoke, E. and N.D.Doanh (1984):The effect of glycine on chromosome stability of *Corydalis cava* tuber tissue cultures.Pro .of Intern. Symp. Of plant tissue and cell cultures Appl. To Crops Improv.Olmuce Czechoslovakia pp: 319-321.
- 6-Ragab ,R.A. and Abdel-Rahem,A.T.(1989):cytological and Biochemical studies on the effect of IGR,s on *Zea mays*. Cytologia ,54 pp:653-660.
- 7-Abdel-Rahem,A.T. and R.A.Ragab (1989) : Somatic chromosomal aberrations induced by benzaylphenylurea (XRD 473 and IKI 7899) in *Vicia faba* and *Hordeum vulgare*. Cytologia, 54 pp:627-634.
- 8-Ragab,R.A. ; Abdel-Rahem,A.T.and H.Z. Allam (1990): Effect of some insect growth regulators on the chiasma frequencies and banding patterns of amylase and esterase in *Zea mays* . Minia J. Agric. Res.and Dev. Vol.12 (2) pp: 927-941.
- 9-Ragab,R.A.;Abdel-Rahem,A.T.and M.N.M.Hassan 1989): Investigation on seed protien and meiotic behaviour of *Pisum sativum* L. following gamma irradiation of dry seeds .Minia J. Agric. Res.and Dev.Vol.11 No.(2) pp:821-835.
- 10 Ragab,R.A.;F.A.S.M. Nassif ; A.T.Abdel-Rahem and S.S. Gad-Elkarem (1989): Protein and isozymes patterns of wild type and four mutants in *Aspergillus flavus* .Minia J. Agric. Res. And Dev. Vol.11 No.(4) pp: 1867-1880.
- 11-Abou-Salha,A.E.; A.T.Abdel-Rahem and R.A.Ragab (1990). Studies on cotyledonary proteins of some faceted pisum mutants and recombinants. Minia J.Agric. Res. And Dev. Vol. 12 No.4 pp: 913-925.

- 12- Abdel-Rahem,A.T. and D.N.Radin (1990):Genotype and medium influence on the cytological and biochemical properties of soybean tissue cultures 7th Intern con. Of Plant and Cell Tissue Culture Amsterdam, Netherlands Abst. No.198.
- 13- Abdel-Rahem,A.T.(1990):Genotype and medium influence on callus initiation and regeneration in soybean. Minia J. Agric. Res. And Dev. Vol. 12,No.(4) pp: 2721-2729.
- 14- Fadl,E.M. and A.T.Abdel-Rahem (1991): The effect of three mycotoxins on mitotic division of somatic chromosomes of roots from *Allium cepa* .Bull .Fac . Sci . Assiut Univ.20, pp :101-111.
- 15- Abdel-Rahem,A.T. and R.A.Ragab (1993) :The cytological and biochemical characteristics of differentiated and undifferentiated soybean callus culture. Egyptian J. of Genet. And Cytol.(1993).
- 16- Ragab,A.R. and A.T.Abdel-Rahem (1993): Effect of some agrochemicals on chromosomal behaviour of *Vicia faba* L. Egyptian J. of Genet. And Cytol. 23 pp:119-129.
- 17- Abdel-Rahem,A.T. and R.A.Ragab (1995): An investigation on gametophytic - sporophytic gene expression of some isozymes in *Zea mays* L. Egyptian J. Appl. Sci. Vol.10 pp:727-735.
- 18- Ragab.A.R. and Abdel-Rahem (1995): Effect of gamma rays on the chiasma frequencies in four varieties of *Pisum sativum* L. Egyptian J. Appl. Sci. Vol. 10 pp:717-726.
- 19- Abdel-Rahem,A.T; R.A.Ragab; Hussien,M.M. and A.O.Rayan (1995): Chromosomal behaviour and isozymes variations in callus cultures of apple *Malus domestica* Bork. The 25th Annual Sci. Meeting of the Egyptian Society of Genetics.
- 20- Abdel-Rahem,A.T.; R.A.Ragab; O.F.Dakhly and R.E.Eid, (1995) Improvement of *Azotobacter vinelandii* efficiency for nitrogen fixation through mutation induction and conjugation. Egyptian J. Appl. Sci. Vol.10 pp:753-771.
- 21- Abdel-Rahem,A.T; R.A.Ragab; Hussien,M.M.and A.O.Rayan (1995): Genotype and phytohormone influence on growth dynamic and polyphenol biosynthesis of apple callus cultures . Proc. of Fourth Arabic Conf. for Hort. Crops El-Minia Egypt pp:1089-1100.
- 22- Gad El Hak, S.H. ; A.T. Abdel- Rahem; S.A. El-Shobaky and H.S. Tony 1996): Callus formation , plant regeneration and cytological behaviour of *in vitro* garlic cultures. Fourth Arabic conference for Horticultural Crops, 25-28 March, 1996, 33 - 46, El-Minia, Egypt.
- 23- Gad El Hak, S.H. ; S.A.El-Shobaky ; A.T. Abdel-Rahem ; and H.S. Tony (1996): Studies on vegetative growth and yield components of some garlic genotypes under El-Minia

- Environmental condition. Fourth Arabic Conference for Horticultural Crops, 25 - 28 March, 125 - 131, 1996, El-Minia, Egypt.
- 24- Abdel Rahem, A.T. and S.A. El-Shobaky (1996): Influence of GA3 on some bio-chemical markers and meiotic chromosomal behaviour of pea (*Pisum sativum* L.). Fourth Arabic Conference for Horticultural Crops, 25 - 28 March, 1996, 1 - 12, El Minia , Egypt.
- 25-Abdel-Rahem,A.T.(1996) : Variability among soybean genotypes for callus formation and salt tolerance. Egypt. J. Genet. Cytol. 25 pp:21-31.
- 26- Dakhly,O.F. and A.T.Abdel-Rahem (1996): Cytological features, growth and yield of maize as affected by chemical and biofertilizers.Egypt. J.Genet. Cytol. ,25 .1996.
- 27-Abdel-Rahem,A.T.; A.E.Abou-Salha; M.M.Hussien and A.G.Mohamed (1997): Factors that affect callus initiation, growth dynamics and chromosome stability in long term callus cultures of *Vicia faba* .Egypt. J. genet. Cytol. 26 pp:
- 28- Hussien,M.M.; Abdel-Rahem,A.T.; Allam,H.Z.; Attia,A.A.and E.A.Hassan(2000): Genetical studies on callus cultures of *Brassica cappestris*,*Brassica oleracea* and their hybrid.The 2nd Arabian Conf. Of Genetics. El-Minia Egypt October 24,2000.
- 29- Emad A.H.,K.Z.Ahmed,H.M.Foly,and A.T.Abdel-Rahem (2002): Effect of genotype and phytohormone on *in vitro* cultures in genus Brassica. Minia Frist Con. Of Agric. And Envirn. Minia 26 March 2002.
- 30- Abdel-Rahem .A.T.and Verzer Peteri, G.(2002) .Production of Medicinal Substances by Plant Cell Cultures Alkaloids of *Corydalis cava* tuber tissue cultures . Alazhar, Int. Con. of Pharm. And Boil. Sci. 2002.
- 31- K. Z. Ahmed; Abdel-Rahem, A.T.; M. M. Zaki¹; and A. O. Rayan¹ Cytological Studies on Apple Anther Tissue Cultures Second Egyptian ,Syrian conference Homos April 2005.
- 32-Abdel-Rahem, A.T.; K. Z. Ahmed; M. M. Zaki and A. O. Rayan: Fingerprint of some apple genotypes cultivated in Egypt by RAPD analysis .Second Egyptian ,Syrian conference Homos April 2005.
- 33.Abdel-Raheem, A. T., M. A-H. Mahmoud, O. F. Dakhly and Gehan, M. Anwer. SALT TOLERANT PLANTS FROM TOMATO(*LYCOPERSICON ESCULENTUM* MILL.) THROUGH AGROBACTERIUM-MEDIATED GENETIC TRANSFORMATION Asuit Agriculture Jor.2005.
- 34- Improvement of *Azotobacter vinelandii* efficiency for nitrogen fixation through mutation induction and conjugation. A.T. Abdel-Rahem; R.A. Ragab; O.F. Dakhlyand R.A.Eid . 1st Tunisian Egyptian and Syrian Con.2006.

- 35- Abdel-Raheem,A.T., Ragab, A. R., Kasem, Z.A., Omar, F. D. and A.M. Samera In vitro selection for tomato plants for drought tolerance via callus culture under polyethylene glycol (PEG) and mannitol treatments. 7th African con of Acss2007.
- 36- .Ragab, A. R., Abdel-Raheem, A.T., Kasem, Z.A., Omar, F.D. and A.M. Samera Evaluation of R1 tomato somaclone plants selected under poly ethylene glycol (PEG) treatments. 7th African con of Acss 2007.
- 37- Abdel-Rahem, A.T.; K. Z. Ahmed; M. M. Zaki and A. O. Rayan: Studies on *in vitro* culture of Apple and Their Isozymes pattern Minia agriculture faculty 2nd conference Marsh 2010.
- 38- Abdel-Rahem, T.A., H.Z. Allam., K.Z. Ahmed., F.A. Hifnawi., and A.T. Mustafa : Genetically Studies on Yield and its Components in Wheat (*Triticum aestivum* L.) 3rd international seminar for crop improvement Szeged Hungary 1-3/6/2010.

List of Publication: أ.د. احمد عزت ابوصالحه

Other relevant Information (Publications):

1. Hussein, M.M., A.R. Selim and A. Abou-Salha (1977). Morphological and cytological studies in Egyptian clover (*Trifolium alexandrinum L.*) including, Fahl, Saidi forms and their hybrid. Egypt. J. Genet. Cytol. 6 (2): 259-268.
2. Gottschalk, W. and A. Abou-Salha (1982). **Penetrance and seed production in Pisum.** Pulse Crops Newsletter 2: 34-37.
3. Gottschalk, W. and A. Abou-Salha (1983). Further genes influencing the penetrance of gene bif-1 for stem bifurcation. Pisum Newsletter 15: 26-27.
4. Jacobsen, H. J. and A. Abou-Salha (1984). **Genotype-dependent callus growth in pea.** Pisum Newsletter 16:27-28.
5. Abou-Salha, A. (1985). SDS-electrophoretic investigation on seed albumins of some Pisum genotypes. Pisum Newsletter 17 :4-5.
6. Abou-Salha, A. (1986). Untersuchung ueber den zuechterischen Wert gegabelter Mutanten und Rekombinanten von *Pisum sativum*. Dissertation Universitaet Bonn.
7. Abou-Salha, A. (1986). The seed protein production of some Pisum mutants and recombinants. Pisum Newsletter 18 : 3-4.
8. Gottschalk, W. and A. Abou-Salha (1986). Investigations on the productivity of bifurcated Pisum mutants and recombinants. 1- The seed production of the genotypes. Egypt J. Genet. Cytol. 15 : 387-397.
9. Gottschalk, W. and A. Abou-Salha (1987). Investigations on the productivity of bifurcated Pisum mutants and recombinants. II- The seed protein production of the genotypes. Egypt. J. Genet. Cytol. 16 : 226-235.
10. Abou-Salha, A., A. Abdel-Rahem and R. Ragab (1990). Studies on the cotyledonary proteins of some fasciated Pisum mutants and recombinants. Minia J. Agric. Res., Dev. 12 (2): 913-925.
11. Abou-Salha, A. (1990). Performance of Pisum mutants and recombinants in Egypt and Germany. Minia. J. Agric. Res., Dev. 12 (13): 1247-1267.
12. Abou-Salha, A. (1990). Heterogeneity of albumin seed proteins in genus Pisum. Minia J. Agric. Res. & Dev. 12 (4): 2711-2720.

13. Abou-Salha, A. and S. H. Mahmoud (1991). Transgenic tepary bean (*Phaseolus acutifolius*) plants via *Agrobacterium*-mediated gene transfer. *Minia J. Agric. Res. & Dev.* 13 (4): 1683-1696.
14. Soliman, M., A. Abou-Salha and S. H. Mahmoud (1991). Improvement of *Agrobacterium* characteristics by transposon mutagenesis. *Bull. Fac. Agric. Univ. of Cairo.* 42 (4) : 1284 – 1293.
15. Mahmoud, S. H., A. Abou-Salha (1991). Inheritance and linkage of two esterase loci in *Pisum sativum*. *Minia J. Agric. Res., Dev.* 13, (4) : 1673-1681
16. El-Ashmawy, S., A. Tawfek and A. Abou-Salha (1992). Cytological effects of two colchicine drugs on *Allium cepa* root tips. *Egypt J. Genet. & Cytol.* 21 (2): 133-141.
17. A. Abou-Salha A., Haider, M. Soliman, H. El-Itriby, Ebtissam Hussain (1993). Genetic characterization of storage proteins and isozymes in some Egyptian maize genotypes. *Egypt J. Genet. & Cytol.* 22 (2): 145-155.
18. Soliman M., A. El-Tarras, A. Abou-Salha, Gh.A.Gad- El-Karim, and G.R.k. Sastry (1994). Production of *E. Coli* lac z protein fusions using *Agrobacterium* gene. *Egypt J. Genet. & Cytol.* 23:65-71.
19. Abou-Salha, A. M. Soliman, H.A. El-Etriby, H.A. Ebtissam, Hussein and M.A. Madkour (1994). Genotypic variation and inheritance of regeneration ability in rape seed (*Brassica napus L.*) *Egypt J. Genet. & Cytol.* 23:73-80.
20. GadEl-Kahrim, Gh.A., M. Soliman and A. Abou-Salha (1994). Genotype x environment interaction in some maize hybrids (*Zea mays L.*) *Minia J. Agric. Res. & Dev.* 16 (2): 912-920.
21. Soliman, M. and A. Abou-Salha (1994). Drought message is one of the messages produced in plants exposed to heat shock. *Minia J. Agric. Res. & Dev.* 16 (3): 421-429.
22. Haider, A.S., M.H. Soliman, Gh.A. Gad-El-Karim, A.E. Abou-Salha and H.J. Jacobsen (1995). Regeneration and marker proteins for embryogenic differentiation patterns in *Vicia faba L.* *Egypt J. Genet. & Cytol.* 24:81-88.
23. Abou-Salha, A. (1996). Genetic transformation of soybean via microprojectile bombardment of embryogenic tissues. *J. Agric. Sci. Mansoura Univ.* 21 (6) : 2083-2091.

24. Abou-Saha, A. and M.Salama (1996). P-element mediated expression of exotic genes in plant tissues. *Egypt J. Genetics & Cytol.* 25: 61-67.
25. Abou-Salha, A., S. Khalil, M. Badawy, and S. El-Sayed (1996). Genetic Engineering of Egyptian Squash for Resistance to Zucchini Yellow Mosaic Virus (ZYMV). *Egypt J. Genet. & Cytol.* 25: 101-112
26. Abdallah, N., Abou-Salha,A. and M. Soliman (1996). Functional studies of complementary sense promoter (replicase promoter) from tomato yellow leaf curl virus: evidence for transcription capability in non-host plants. *J. Phytopathology.* 145 (2) 111-118.
27. Komatsuda, T. and A. Abou-Salha, (1996). Agrobacterium-mediated transformation of *Arabidopsis thaliana* using phosphinothricin -N-acetyltransferase gene as a selectable and screenable marker.*Egypt. J. Genet. & Cytol.* 25: 91-99.
28. Abdel-Rahem,T., A.Abou-Salha, M.M., Hussein and A. Gomaa (1997).Factors affect callus initiation, growth dinamic and chromosome stability in long term callus culture of *Vicia faba*. *Egypt .J.Genet. ocytol.* 27:20-28.
29. Abou-Salha A., S. El-Mahdy, M. Soliman, and S.Abdel-Hady (2002). Tranformation and expression of Methionine rich 2s albumine Gene into *Vicia Faba* 5th National Conference of Biochemistry and Molecular Biology. Cairo, Egypt, 12-14 May 2002.
30. Dakhly, O. f., A. Abou-Salha, A. Gomma and S. EL-Ashmawy (2003). In vitro selection of tomato callus resistant to *Alternaria solani* toxin . First Egyptian and Syrian Conference, EL-Minia University and AL-Baath University on Agriculture and food in Arab world. December, 8-11, 2003 – El-Minia, Egypt.
31. Abou-Salha, A. , O. F. Dakhly, A. Gomma and S. EL-Ashmawy (2003). Tomato plants produced by tissue culture and resistant to *Alternaria solani* toxin . First Egyptian and Syrian Conference, EL-Minia University and AL-Baath University on Agriculture and food in Arab world. December, 8-11, 2003 – El-Minia, Egypt.
32. EL-Ashmawy , S., O.F. Dakhly, A. Abou-Salha, and A. Gomma (2003). Role of proteins , isozymes and chlorophyll in transgenic tomato plants resistant to *Alternaria solani* toxin. First Egyptian and Syrian Conference, EL-Minia University and AL-Baath University on Agriculture and food in Arab world. December, 8-11, 2003 – El-Minia, Egypt.
33. .Ata, A. M.,F.A.M.Nassif, A.E.Abou-Salha and W.M.A.Fandy (2005) .Cytogenetic studies on three species of Domestic birds (galliformes, oves): Minia Jiof Agric. Res.

& Develop. 25 (5): 977 – 1000 .
